

## NARST 2019 Participants

Name	Group Schedule
A. Lynn Stephens	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
A.J. Womack	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am, ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am, ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Abdirizak M. Warfa	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Abdullah Abu-Tineh	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Abeera P. Rehmat	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Abraham Lo	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm
Ada Ren	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Adam Bennion	ST3:RP-Characterizing Elementary Science Teachers' Development with an Eye toward Sensemaking: A Related Paper Set - 04/02/2019 10:00 am to 11:30 am
Adam Devitt	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Adam V. Maltese	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Adilene Aguilera	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Aditi Wagh	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am, ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Adrian W Bruce	ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm
Agustin Aduriz-Bravo	ST13: Teaching Science with historical, philosophical and sociological context in Ibero- america - 04/02/2019 04:15 pm to 05:45 pm
Ahmad Jbara	ST5:SC-Papers-Investigating students' systems thinking - 04/02/2019 08:00 am to 09:30 am
AJ Richards	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
Ala Samarapungavan	ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm, ST2:SC-Papers-Engineering in the High School Classroom - 04/02/2019 10:00 am to 11:30 am
Alan R. Berkowitz	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Alana Newell	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am
Alanah Fitch	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Alandeom W. Oliveira	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Albert Chai	ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm
Alberto Bellocchi	ST4:SC-Papers-The Role of Teacher Affect and Beliefs in Secondary Science - 04/01/2019 09:30 am to 11:00 am, ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am, ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm
Alberto J. Rodriguez	ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm
Alec M. Bodzin	ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am, ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am
Aleeza Oshry	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm
Alejandra Frausto	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Alejandro Mendez	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm

Alexa Warwick	ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Alexander K Chumbley	ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm, ST7:SC-Papers-Practice-Based Curriculum Design - 04/02/2019 04:15 pm to 05:45 pm, ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am, ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm
Alexander Kwako	ST8:SC-Papers-Attending to Student Talk - 04/01/2019 09:30 am to 11:00 am
Alexandra Stoeckert	ST14:RP-Adolescent anthropo- and ecocentrism: Qualitative conceptual views and quantitative relationships - 04/02/2019 10:00 am to 11:30 am
Alexandria K. Hansen	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm
Alexis A. Rutt	ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am
Alexis Spina	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Ali Cikmaz	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm
Alice Flarend	ST8: ambitious Science Teacher Learning Across the Professional Continuum - 04/03/2019 01:30 pm to 03:00 pm
Alison Cullinane	ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm, ST13: Emergent Research using the Family Resemblance Approach to Nature of Science in Science Education - 04/03/2019 10:30 am to 12:00 pm
Alison Mercier	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Alison R. Miller	ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Aliza Segal	ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm
Allen Cohen	ST3:SC-Papers-Elementary Learning Environments - 04/03/2019 08:00 am to 09:30 am
Allison Antink-Meyer	ST13:SC-Papers-Nature of Engineering - 04/01/2019 09:30 am to 11:00 am
Allison Bradford	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm
Allison Ritchie	ST2:SC-Papers-Discourse in a Science Classroom - 03/31/2019 02:40 pm to 04:10 pm
Allyssa Gomez	ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm
Alma L Anides Morales	ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Alyssa Lim	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Amal Ibourk	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Amanda Benedict-Chambers	ST7:SC-Papers-Practice-Based Curriculum Design - 04/02/2019 04:15 pm to 05:45 pm
Amanda Edelman	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Amanda Glaze	ST4: Ways of Thinking Influencing the Teaching and Learning of Evolution - 04/02/2019 04:15 pm to 05:45 pm
Amanda L. Gonczi	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Amanda N. Peel	ST1:SC-Papers-Eco systems and Natural Selection - 04/03/2019 10:30 am to 12:00 pm
Amani Hamdan Alghamdi	ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Amber S. Bismack	ST16:AS-Graduate Student Research Symposium - 04/02/2019 08:00 am to 09:30 am, ST3:RP-Characterizing Elementary Science Teachers' Development with an Eye toward Sensemaking: A Related Paper Set - 04/02/2019 10:00 am to 11:30 am, ST16: Graduate Student Forum - 04/02/2019 02:30 pm to 04:00 pm
Amber Todd	ST10:SC-Papers-Evolution and cultural understanding - 04/02/2019 10:00 am to 11:30 am
Amelia Wenk Gotwals	ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm
Amman A Haque	ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm
Amon Millner	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Amy E Trauth	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm

Amy L Levingston	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Amy M. Kamarainen	ST12:RP-Student Use of Evidence in Multi-User Virtual and Augmented Reality-Based Science Curricula: Examples from EcoLearn - 04/02/2019 08:00 am to 09:30 am, ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Amy Pallant	ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
Amy R. Ricketts	ST8:SC-Papers-Considerations for Curricular and Materials Decisions - 04/01/2019 01:15 pm to 02:45 pm, ST8: ambitious Science Teacher Learning Across the Professional Continuum - 04/03/2019 01:30 pm to 03:00 pm
Amy R. Semerjian	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm
Amy Tankersley	ST4:RP-Measuring and Modelling How and When Effective Science Teaching Occurs - 04/02/2019 04:15 pm to 05:45 pm
Anahid S. Modrek	ST8:SC-Papers-Attending to Student Talk - 04/01/2019 09:30 am to 11:00 am
André Martelini	ST2:SC-Papers-Argumentation in the Science Classroom - 04/01/2019 01:15 pm to 02:45 pm
Andrea Malek	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm
Andreas Borowski	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
Andreas Mueller	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Andreas Vorholzer	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am
Andrew Duffy	ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm
Andrew Elby	ST2:SC-Papers-Issues in Physics Learning - 04/02/2019 10:00 am to 11:30 am, ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Andrew Gilbert	ST7:SC-Papers-Effects of Instructional Strategies - 03/31/2019 02:40 pm to 04:10 pm
Andrew Lee	ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm
Andrew McDevitt	ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm
Andrew P. Bentley	ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm
Andrew T. Kinslow	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am
Andrew Wihte	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm
Aneesha Badrinarayan	ST10: Reconceptualizing Alignment for NGSS Assessments - 03/31/2019 04:20 pm to 05:50 pm
Angela Calabrese-Barton	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Angela D. Kolonich	ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Angela Google	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Angela M. Kelly	ST5:SC-Papers-Students' persistence and motivation - 03/31/2019 02:40 pm to 04:10 pm, ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am, ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm, ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Angela Sandmann	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm, ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Anica Miller-Rushing	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm, ST8:SC-Papers-Teacher Affect, Agency, and Identity - 04/03/2019 10:30 am to 12:00 pm
Anita Hussenius	ST11:RP-From Sleeping Police to Socio-Material Entanglement: Rethinking the Racialization and Gendering of STEM Education Practices - 03/31/2019 04:20 pm to 05:50 pm
Anita Schuchardt	ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm, ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm, ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Anita Stender	ST2:SC-Papers-Strategies for Overcoming Barriers to Science Learning - 04/02/2019 04:15 pm to 05:45 pm
Anna C. MacPherson	ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm

Anna Maria Arias	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm, ST13:SC-Papers-Nature of Engineering - 04/01/2019 09:30 am to 11:00 am, ST7:SC-Papers-Practice-Based Curriculum Design - 04/02/2019 04:15 pm to 05:45 pm
Anna S. Grinath	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Anne Bowser	ST6: Citizen Science in STEM Education: Linking society, Scientists and Education Systems - 04/01/2019 01:15 pm to 02:45 pm
Anne Gold	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Anne Skutnik	ST2:SC-Papers-Engineering in the High School Classroom - 04/02/2019 10:00 am to 11:30 am
Anne Westbrook	ST1: Clarifying the Role(s) of the Crosscutting Concepts in Science and Engineering Learning - 04/02/2019 10:00 am to 11:30 am
Annemarie Palincsar	ST3:RP-Characterizing Elementary Science Teachers' Development with an Eye toward Sensemaking: A Related Paper Set - 04/02/2019 10:00 am to 11:30 am
Annette Upmeier Zu Belzen	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm, ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST1:SC-Papers-Eco systems and Natural Selection - 04/03/2019 10:30 am to 12:00 pm
Annika Chomse	ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Anthony M. Villa	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm, ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Anton Puvirajah	ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Anusha Naganathan	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm
April B. Holton	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
April L. Gardner	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
April Lynn Luehmann	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm, ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm
Arif Rachmatullah	ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am
Arjen Wals	ST6: Citizen Science in STEM Education: Linking society, Scientists and Education Systems - 04/01/2019 01:15 pm to 02:45 pm
Arzu Tanis	ST8: ambitious Science Teacher Learning Across the Professional Continuum - 04/03/2019 01:30 pm to 03:00 pm
Asheley Landrum	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm
Ashley Hunt	ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am
Ashley Iveland	ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm, ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Ashley N Hutchison	ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Ashley N. Harlow	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm, ST5:SC-Papers- Investigating students' systems thinking - 04/02/2019 08:00 am to 09:30 am
Ashley N. Jackson	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm
Ashley N. Murphy	ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm
Ashlyn Pierson	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
Asli Koçulu	ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am
Asli Sezen	ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Asmalina Saleh	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Asnat R. Zohar	ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am
Augusto Z. Macalalag	ST14:AS-Socioscientific Contexts and Environmental Education Curriculum Materials for K-18 Educators - 04/01/2019 01:15 pm to 02:45 pm, ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm

Aviv J. Sharon	ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm, ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm
Ayca K. Fackler	ST16:AS-Graduate Student Research Symposium - 04/02/2019 08:00 am to 09:30 am, ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Ayelet Baram	ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm, ST6: Citizen Science in STEM Education: Linking society, Scientists and Education Systems - 04/01/2019 01:15 pm to 02:45 pm, ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Ayse Ciftci	ST7:SC-Papers-Effects of Instructional Strategies - 03/31/2019 02:40 pm to 04:10 pm, ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am
Aysegul Cilekrenkli	ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm, ST13: Emergent Research using the Family Resemblance Approach to Nature of Science in Science Education - 04/03/2019 10:30 am to 12:00 pm
Bahad?r Han	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Bahadir Namdar	ST7:SC-Papers-Model-Based Instruction & Lesson Planning - 04/01/2019 09:30 am to 11:00 am
Barbara A. Crawford	ST16:AS-Professional Citizenship: Lifetime commitments and rewards - 04/01/2019 09:30 am to 11:00 am
Barbara Hug	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Beatriz Becerra	ST7:SC-Papers-Pedagogical Content Knowledge of Preservice Teachers - 04/03/2019 10:30 am to 12:00 pm
Bed Mani Dahal	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Benjamin R. Lowell	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Beth A. Covitt	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Bette Davidowitz	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Betty Adams	ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm
Bhaskar Upadhyay	ST16:AS-Science Educators Creating and Sustaining Collective Activism: Implications for Research and Practice - 03/31/2019 04:20 pm to 05:50 pm, ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm, ST11:SC-Papers-Social Justice Curriculum and Agency in Science Education - 04/01/2019 01:15 pm to 02:45 pm, ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am
Bianca Reinisch	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Bill Nave	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Bjørn F. Johannsen	ST11:RP-EExamining sociocultural perspectives on agency and identity as framings for learning and teaching science - 03/31/2019 02:40 pm to 04:10 pm
Bobby Habig	ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Bonnie B Boyd	ST11:SC-Papers-Reconceptualizing Representation in Science Education: Experiences of Teachers and Students of Color - 04/01/2019 11:15 am to 12:45 pm
Brad Hughes	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am, ST3:SC-Papers-Equitable Teaching & Diverse Learners - 04/03/2019 10:30 am to 12:00 pm
Brandon Foster	ST4: Ways of Thinking Influencing the Teaching and Learning of Evolution - 04/02/2019 04:15 pm to 05:45 pm
Brandon Holding	ST4:RP-Measuring and Modelling How and When Effective Science Teaching Occurs - 04/02/2019 04:15 pm to 05:45 pm
Brandon R. Ofem	ST8:RP-Social Network-based Investigations of Teacher Communities of Practice and Professional Persistence. - 04/01/2019 09:30 am to 11:00 am
Brandon S Goocher	ST5:SC-Papers-Faculty adoption of teaching innovations - 04/03/2019 01:30 pm to 03:00 pm
Brandy A. Pleasants	ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm
Brandy L. Bowling	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm, ST5:SC-Papers-Faculty adoption of teaching innovations - 04/03/2019 01:30 pm to 03:00 pm

Brenda M. Capobianco	ST3:RP-EExamining teacher learning of pedagogical reasoning and practices to support elementary engineering design - 03/31/2019 02:40 pm to 04:10 pm
Brendan E. Callahan	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm, ST8:SC-Papers-Supporting Authentic Science and Engineering Practices - 03/31/2019 04:20 pm to 05:50 pm
Brezhnev Batres	ST2:RP-Representations, Scientific Knowledge, and Identity Construction: Minoritized Students and Science - 03/31/2019 04:20 pm to 05:50 pm
Brian D. Gane	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Brian Gravel	ST2:RP-Eliciting and Supporting Students' Doing Science in School - 04/02/2019 08:00 am to 09:30 am, ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am, ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Brian Hartman	ST13:SC-Papers-Nature of Engineering - 04/01/2019 09:30 am to 11:00 am
Brian J. Reiser	ST10:RP-Supporting Purposeful Sensemaking in Science Classrooms - 04/02/2019 04:15 pm to 05:45 pm
Brian M. Donovan	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Brian M. Hand	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm
Brian Robinson	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Brian Sato	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm, ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm
Brian Stecher	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Bridget A. Franks	ST7:SC-Papers-Elementary Preservice Teachers' Science & Engineering Self-Efficacy - 03/31/2019 04:20 pm to 05:50 pm
Bridget K. Mulvey	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Bronwyn Bevan	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Brooke A. Whitworth	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm, ST16:AS-Professional Citizenship: Lifetime commitments and rewards - 04/01/2019 09:30 am to 11:00 am
Bruce Johnson	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Bruce V. Lewenstein	ST6: Citizen Science in STEM Education: Linking society, Scientists and Education Systems - 04/01/2019 01:15 pm to 02:45 pm
Bryan A. Brown	ST11:RP-Culturally relevant virtual reality learning: Bridging cultures, content, and contexts - 04/01/2019 11:15 am to 12:45 pm
Burr Tyler	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Busra Aksoz	ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm, ST13: Emergent Research using the Family Resemblance Approach to Nature of Science in Science Education - 04/03/2019 10:30 am to 12:00 pm
Calvin S. Kalman	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm
Candace Lapan	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm
Candice R. Gaytán	ST9:SC-Papers-Reflective Practices for Instructors Inside and Outside of Classrooms - 03/31/2019 02:40 pm to 04:10 pm
Caren Cooper	ST6: Citizen Science in STEM Education: Linking society, Scientists and Education Systems - 04/01/2019 01:15 pm to 02:45 pm
Cari F. Herrmann Abell	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm, ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm, ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm, ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Carina M. Rebello	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Carla Zembal-Saul	ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am
Carlson H. Coogler	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Carol B. Brandt	ST5:SC-Papers-Students' problem solving and design - 04/02/2019 02:30 pm to 04:00 pm

Carol Brewer	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Carol Murphy	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Caroline Burks	ST7:SC-Papers-Model-Based Instruction & Lesson Planning - 04/01/2019 09:30 am to 11:00 am
Caroline E Wylie	ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Carolyn A. Parker	ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm
Carolyn Staudt	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm, ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm
Carrie D. Allen	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Carrie T. Tzou	ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Carrie-Anne Sherwood	ST7:SC-Papers- ambitious Science Teaching - 04/01/2019 01:15 pm to 02:45 pm
Casandra Gonzalez	ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm
Cassie Quigley	ST11:SC-Papers-Working to Improve All Students' Engagement and Learning in Science - 03/31/2019 04:20 pm to 05:50 pm
Catherine E. Milne	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm, ST11:RP-From Sleeping Police to Socio-Material Entanglement: Rethinking the Racialization and Gendering of STEM Education Practices - 03/31/2019 04:20 pm to 05:50 pm, ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Catherine Floyd	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Catherine Lemmi	ST11:RP-Culturally relevant virtual reality learning: Bridging cultures, content, and contexts - 04/01/2019 11:15 am to 12:45 pm, ST2:SC-Papers-Strategies for Overcoming Barriers to Science Learning - 04/02/2019 04:15 pm to 05:45 pm
Catherine Martin-Dunlop	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Catherine Quinlan	ST16:AS-Science Educators Creating and Sustaining Collective Activism: Implications for Research and Practice - 03/31/2019 04:20 pm to 05:50 pm
Catherine R. Gaynor	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Cathy P. Lachapelle	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Cesar Delgado	ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am, ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Chagit E. Tishler	ST9:SC-Papers-Reflective Practices for Instructors Inside and Outside of Classrooms - 03/31/2019 02:40 pm to 04:10 pm
Chandra Turpen	ST2:SC-Papers-Issues in Physics Learning - 04/02/2019 10:00 am to 11:30 am
Chang-Yu Wu	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Chanmi Jung	ST2:SC-Papers-Thinking Processes - 04/02/2019 08:00 am to 09:30 am
Chanyah Dahsah	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Charlease Kelly-Jackson	ST8:SC-Papers-Supporting Authentic Science and Engineering Practices - 03/31/2019 04:20 pm to 05:50 pm
Charlene L. Ellingson	ST8:SC-Papers-Considerations for Curricular and Materials Decisions - 04/01/2019 01:15 pm to 02:45 pm
Charles R Marshall	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm
Charles W. Anderson	ST8:SC-Papers-Attending to Student Talk - 04/01/2019 09:30 am to 11:00 am, ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Chelsea Andrews	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
Chien-Fei Chen	ST2:SC-Papers-Engineering in the High School Classroom - 04/02/2019 10:00 am to 11:30 am
ChihChe Tai	ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Chris D. Griesemer	ST10:RP-Supporting Purposeful Sensemaking in Science Classrooms - 04/02/2019 04:15 pm to 05:45 pm

Chris Dede	ST12:RP-Student Use of Evidence in Multi-User Virtual and Augmented Reality-Based Science Curricula: Examples from EcoLearn - 04/02/2019 08:00 am to 09:30 am
Chris Orban	ST12: Disentangling Coding in Secondary School Science: Contexts, Interfaces and Assessments - 04/02/2019 02:30 pm to 04:00 pm
Chris Quintana	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm
Christa Haverly	ST8:SC-Papers-Supporting Authentic Science and Engineering Practices - 03/31/2019 04:20 pm to 05:50 pm, ST16: Graduate Student Forum - 04/02/2019 02:30 pm to 04:00 pm, ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am, ST3:SC-Papers-Equitable Teaching & Diverse Learners - 04/03/2019 10:30 am to 12:00 pm
Christel Balck	ST16:AS-Science Teacher Professional development: Addressing Challenges of Complexity, Responsivity and Scale - 04/01/2019 09:30 am to 11:00 am
Christian D. Schunn	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm, ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Christian Fischer	ST8:SC-Papers-Characteristics of Successful Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Christian Schunn	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm, ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Christie C. Byers	ST7:SC-Papers-Effects of Instructional Strategies - 03/31/2019 02:40 pm to 04:10 pm
Christie Morrison Thomas	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Christina Siry	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm, ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm, ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am
Christina V. Schwarz	ST7:SC-Papers-Performance Assessment - 04/03/2019 08:00 am to 09:30 am, ST3:SC-Papers-Equitable Teaching & Diverse Learners - 04/03/2019 10:30 am to 12:00 pm
Christine Florian	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm, ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Christine M. Cunningham	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Christine McGrail	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm
Christine Okochi	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Christine R. Lotter	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm, ST8:SC-Papers-Characteristics of Successful Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Christine Schnittka	ST7:SC-Papers-Effects of Instructional Strategies - 03/31/2019 02:40 pm to 04:10 pm
Christine V. McDonald	ST13: Emergent Research using the Family Resemblance Approach to Nature of Science in Science Education - 04/03/2019 10:30 am to 12:00 pm
Christine V. Mcdonald	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm
Christoph Kulgemeyer	ST7:SC-Papers-Performance Assessment - 04/03/2019 08:00 am to 09:30 am
Christoph Vogelsang	ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm, ST7:SC-Papers-Performance Assessment - 04/03/2019 08:00 am to 09:30 am
Christopher D Wilson	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Christopher G. Wright	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm
Christopher Wilson	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm, ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Chun-Wei Huang	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Cindy A. Lenhart	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Cindy E. Hmelo-Silver	ST1: Clarifying the Role(s) of the Crosscutting Concepts in Science and Engineering Learning - 04/02/2019 10:00 am to 11:30 am, ST10:SC-Papers-Three-dimensional assessments and curriculum design -



	04/02/2019 08:00 am to 09:30 am, ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Clark A. Chinn	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm, ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm, ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Claudia Aguirre-Mendez	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Claudia P. Aguirre-Mendez	ST7:SC-Papers-Elementary Preservice Teachers' Science & Engineering Self-Efficacy - 03/31/2019 04:20 pm to 05:50 pm, ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm, ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Claudia Vergara	ST7:SC-Papers-Pedagogical Content Knowledge of Preservice Teachers - 04/03/2019 10:30 am to 12:00 pm
Claudia Von Aufschnaiter	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am
Clausell Mathis	ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Clement Bordas	ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am
Clifford Lee	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Colby Tofel-Grehl	ST7:RP-Making and Preservice Teachers: Exploring Designs for Supporting the Integration of Making in STEM Classrooms - 03/31/2019 04:20 pm to 05:50 pm
Colin Dixon	ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
Consuelo J. Morales	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Corey A. Payne	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Corey Schimpf	ST16:AS-Integrating Science and Engineering with a Focus on Evidence of Student Learning - 04/02/2019 08:00 am to 09:30 am
Cori L. Fata-Hartley	ST5:SC-Papers-Faculty adoption of teaching innovations - 04/03/2019 01:30 pm to 03:00 pm
Corinne Zimmerman	ST1:SC-Papers-Eco systems and Natural Selection - 04/03/2019 10:30 am to 12:00 pm
Cornelia B Harris	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Cornelia Harris	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Cory T. Forbes	ST5:SC-Papers-Investigating students' systems thinking - 04/02/2019 08:00 am to 09:30 am
Courtney M. Lynch	ST7:SC-Papers- ambitious Science Teaching - 04/01/2019 01:15 pm to 02:45 pm
Courtney Preston	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Craig A. Kohn	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Crystina D McShay	ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm
Cynthia Passmore	ST10:RP-Supporting Purposeful Sensemaking in Science Classrooms - 04/02/2019 04:15 pm to 05:45 pm
Cynthia S. Sunal	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Cynthia Szymanski Sunal	ST4:SC-Papers-Assessment in Middle and High School - 03/31/2019 04:20 pm to 05:50 pm
Dan M. Kahan	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm
Dana L. Grosser-Clarkson	ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm
Dana L. Zeidler	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm, ST16:AS-Publishing and Reviewing in the Journal of Research in Science Teaching - 04/03/2019 10:30 am to 12:00 pm
Dana Vedder-Weiss	ST11:RP-EExamining sociocultural perspectives on agency and identity as framings for learning and teaching science - 03/31/2019 02:40 pm to 04:10 pm, ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm, ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am

Daniel Grunspan	ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm
Daniel K. Capps	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Daniel L. Moreno	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm
Daniel Laumann	ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm
Daniel M. Levin	ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm, ST7:SC-Papers-Practice-Based Curriculum Design - 04/02/2019 04:15 pm to 05:45 pm, ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am, ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm
Daniel Morales-Doyle	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Daniel N. Damelin	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
Daniela L Scarpa	ST2:SC-Papers-Argumentation in the Science Classroom - 04/01/2019 01:15 pm to 02:45 pm
Danielle E. Dani	ST7:SC-Papers-Practice-Based Curriculum Design - 04/02/2019 04:15 pm to 05:45 pm, ST16: Creating and Sustaining Collective Activism through Science Education Research - 04/03/2019 01:30 pm to 03:00 pm
Danielle Findley-Van Nostrand	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Danielle K. Ross	ST2:SC-Papers-STEM in the Secondary Setting - 04/03/2019 08:00 am to 09:30 am
Danielle T. Keifert	ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Dante Cisterna	ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Daphna Shwartz Asher	ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Daphne Goldman	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Darrell Allen	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm
Darrin A Collins	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
David Buschhüter	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
David C. Owens	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm, ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am
David E. McKinney	ST2:SC-Papers-Motivation - 04/01/2019 09:30 am to 11:00 am
David F. Jackson	ST4: Ways of Thinking Influencing the Teaching and Learning of Evolution - 04/02/2019 04:15 pm to 05:45 pm
David Hammer	ST2:RP-Eliciting and Supporting Students' Doing Science in School - 04/02/2019 08:00 am to 09:30 am
David J. Shernoff	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm
David Klahr	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm
David L. Fortus	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am, ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
David S. Di Fuccia	ST2:SC-Papers-Socio-Scientific Issues - 04/01/2019 01:15 pm to 02:45 pm, ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
David Santibanez	ST7:SC-Papers-Pedagogical Content Knowledge of Preservice Teachers - 04/03/2019 10:30 am to 12:00 pm
David Segura	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
David Stroupe	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am, ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm, ST2:SC-Papers-Science Learning Outside of the Classroom - 04/03/2019 01:30 pm to 03:00 pm

David T. Crowther	ST9:SC-Papers-Reflective Practices for Instructors Inside and Outside of Classrooms - 03/31/2019 02:40 pm to 04:10 pm
David W. Jackson	ST11: Leveraging Youth's Diverse Backgrounds to Broaden Participation in STEM through Invention Education - 04/03/2019 08:00 am to 09:30 am
David Weintrop	ST12: Disentangling Coding in Secondary School Science: Contexts, Interfaces and Assessments - 04/02/2019 02:30 pm to 04:00 pm
David Yaron	ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Dawn Nguyen	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Dawne M. LePretre	ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm
Day W. Greenberg	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Deb Morrison	ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Deborah G. Herrington	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Deborah H Wiegand	ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm
Deborah J. Tippins	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am, ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm
Deborah L. Hanuscin	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Deborah Tucker	ST8:SC-Papers-Authentic and Environmental Contexts for Teaching - 04/03/2019 10:30 am to 12:00 pm
Debra Bernstein	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Deena Khalil	ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm
Deepika Menon	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm, ST7:SC-Papers-Professional Identity & Self-Efficacy - 04/02/2019 08:00 am to 09:30 am
Denise M. Bressler	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm, ST12:RP-Student Use of Evidence in Multi-User Virtual and Augmented Reality-Based Science Curricula: Examples from EcoLearn - 04/02/2019 08:00 am to 09:30 am
Dennis Ciancio	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Dennis Sunal	ST4:SC-Papers-Assessment in Middle and High School - 03/31/2019 04:20 pm to 05:50 pm
Dennis W. Sunal	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Deoksoon Kim	ST11: Leveraging Youth's Diverse Backgrounds to Broaden Participation in STEM through Invention Education - 04/03/2019 08:00 am to 09:30 am
Devasmita Chakraverty	ST11:SC-Papers-Critical Examination of Science Experiences at the Intersections of Race and Gender - 03/31/2019 04:20 pm to 05:50 pm
Devon M. Purington	ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am
Diane Jass Ketelhut	ST7:RP-Exploring the Integration of Computational Thinking in a Preservice Elementary Science Methods Course: Multiple Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Diane Lally	ST5:SC-Papers-Investigating students' systems thinking - 04/02/2019 08:00 am to 09:30 am
Digna Couso	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm, ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am
Dina Drits	ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm
Dina Tsybulsky	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm, ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Dirk Krueger	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm

Dirk Kruger	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Dirk Mittenzwei	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Don LaBonte	ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Donald Wink	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Donghee Shin	ST2:SC-Papers-Thinking Processes - 04/02/2019 08:00 am to 09:30 am
Dongsheng Dong	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Donna Governor	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Donna M. Shapiro	ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Dorina Kosztin	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Dorothy Holley	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm
Douglas B. Clark	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
Douglas B. Larkin	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm, ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am, ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm, ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm, ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Douglas Lownsbery	ST1:SC-Papers-Eco systems and Natural Selection - 04/03/2019 10:30 am to 12:00 pm
Dov Dori	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Dürdane Bayram-Jacobs	ST2:SC-Papers-Socio-Scientific Issues - 04/01/2019 01:15 pm to 02:45 pm
Ebru Kaya	ST5:SC-Papers-Students' conceptual understanding and beliefs - 04/01/2019 09:30 am to 11:00 am, ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm, ST13: Emergent Research using the Family Resemblance Approach to Nature of Science in Science Education - 04/03/2019 10:30 am to 12:00 pm
Edenia M Ramaral	ST2:SC-Papers-Thinking Processes - 04/02/2019 08:00 am to 09:30 am
Edit Yerushalmi	ST12: Disentangling Coding in Secondary School Science: Contexts, Interfaces and Assessments - 04/02/2019 02:30 pm to 04:00 pm
Eduardo F. Mortimer	ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm
Edward D. Britton	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm, ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Edward G. Lyon	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm
Effrat Akiri	ST11:RP-EExamining sociocultural perspectives on agency and identity as framings for learning and teaching science - 03/31/2019 02:40 pm to 04:10 pm, ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Eileen Carlton Parsons	ST11:SC-Papers-Critical Examination of Science Experiences at the Intersections of Race and Gender - 03/31/2019 04:20 pm to 05:50 pm
Eileen G. Merritt	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm, ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am
Eileen McGivney	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Elaine Klein	ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Elaine M. Silva Mangiante	ST3:RP-EExamining teacher learning of pedagogical reasoning and practices to support elementary engineering design - 03/31/2019 02:40 pm to 04:10 pm, ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm, ST11: Disability Studies in (Science) Education as a Framework for Equity and Action - 04/01/2019 09:30 am to 11:00 am
Elana B Worth	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Elana Ehrlich	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Eleanor D. Abrams	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am

Elgin Leary	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Eli Tucker-Raymond	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am, ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Elif Oz	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Elisa M. Stone	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm
Elise Trumbull	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Eliza Bobek	ST8:SC-Papers-Supporting Authentic Science and Engineering Practices - 03/31/2019 04:20 pm to 05:50 pm
Elizabeth A. Crotty	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm
Elizabeth A. Davis	ST3:RP-Characterizing Elementary Science Teachers' Development with an Eye toward Sensemaking: A Related Paper Set - 04/02/2019 10:00 am to 11:30 am
Elizabeth A. Ring-Whalen	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm, ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm, ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Elizabeth B. Dyer	ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm, ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm, ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm, ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Elizabeth B. Lewis	ST4:RP-Measuring and Modelling How and When Effective Science Teaching Occurs - 04/02/2019 04:15 pm to 05:45 pm
Elizabeth C. Niswander	ST16:AS-Publishing and Reviewing in the Journal of Research in Science Teaching - 04/03/2019 10:30 am to 12:00 pm
Elizabeth Chatham	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Elizabeth Crotty	ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm
Elizabeth E Fleming	ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm
Elizabeth Hasseler	ST4:RP-Measuring and Modelling How and When Effective Science Teaching Occurs - 04/02/2019 04:15 pm to 05:45 pm
Elizabeth Herrera	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Elizabeth Hufnagel	ST2:SC-Papers-Discourse in a Science Classroom - 03/31/2019 02:40 pm to 04:10 pm, ST8:SC-Papers-Teacher Affect, Agency, and Identity - 04/03/2019 10:30 am to 12:00 pm
Elizabeth Mavhunga	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Elizabeth McEneaney	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am, ST2:SC-Papers-Engineering in the High School Classroom - 04/02/2019 10:00 am to 11:30 am
Elizabeth O'Brien	ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm
Elizabeth Schultheis	ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am
Elizabeth W. Edmondson	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm
Elizabeth Wright	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Elizabeth X. De Los Santos	ST9:SC-Papers-Reflective Practices for Instructors Inside and Outside of Classrooms - 03/31/2019 02:40 pm to 04:10 pm, ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Ellen Holste	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Elon Langbeheim	ST12: Disentangling Coding in Secondary School Science: Contexts, Interfaces and Assessments - 04/02/2019 02:30 pm to 04:00 pm
Elysa N. Corin	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Emily A. Dare	ST8:SC-Papers-Supporting Authentic Science and Engineering Practices - 03/31/2019 04:20 pm to 05:50 pm, ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm, ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm

Emily C. Allen	ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm
Emily C. Miller	ST8:SC-Papers-Considerations for Curricular and Materials Decisions - 04/01/2019 01:15 pm to 02:45 pm
Emily Dawson	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Emily E Scott	ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Emily G. Schoerning	ST16:AS-NSTA's Annual Research Worth Reading Recognition - 04/01/2019 01:15 pm to 02:45 pm
Emily Gonzalez	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Emily Hayden	ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Emily Hestness	ST7:RP-Exploring the Integration of Computational Thinking in a Preservice Elementary Science Methods Course: Multiple Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Emily M. Cayton	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Emily M. Walter	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm, ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm
Emily Reigh	ST2:SC-Papers-Discourse in a Science Classroom - 03/31/2019 02:40 pm to 04:10 pm
Emily Scott	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Emine Sahin	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am, ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm
Enrique Suárez	ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm, ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm, ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm, ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Ercin Sahin	ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm, ST2:SC-Papers-Science Learning Outside of the Classroom - 04/03/2019 01:30 pm to 03:00 pm
Erdogan Kaya	ST7:SC-Papers-Elementary Preservice Teachers' Science & Engineering Self-Efficacy - 03/31/2019 04:20 pm to 05:50 pm, ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm, ST7:SC-Papers-Culturally & Socially Responsive Pedagogy - 04/02/2019 10:00 am to 11:30 am
Eric A. Kirk	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Eric Greenwald	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Eric P. Wulff	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am, ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Eric R. Banilower	ST11: Unequal Distribution of Educational Resources for K-12 Science Instruction - 04/02/2019 10:00 am to 11:30 am, ST15:RP-The Status of K-12 Science Education: Obstacles and Progress Toward the Vision of the NGSS - 04/02/2019 04:15 pm to 05:45 pm
Erica Blatt	ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm
Erica Jablonski	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Erik Arevalo	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm
Erik Barendsen	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm, ST2:SC-Papers-Socio-Scientific Issues - 04/01/2019 01:15 pm to 02:45 pm, ST7:SC-Papers-Pedagogical Content Knowledge of Preservice Teachers - 04/03/2019 10:30 am to 12:00 pm
Erika Thomas	ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm
Erika Whitney	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Erin E. Peters-Burton	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm
Erin Lavin	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Erin Leckey	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm

Erin McCool	ST8:SC-Papers-Authentic and Environmental Contexts for Teaching - 04/03/2019 10:30 am to 12:00 pm
Ernest C. Steele	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Eshani N Lee	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Ethan Danahy	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Eugene Judson	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Eulsun Seung	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Eunhye Cho	ST11: Leveraging Youth's Diverse Backgrounds to Broaden Participation in STEM through Invention Education - 04/03/2019 08:00 am to 09:30 am
Evelin E. Munoz	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Ezgi Yesilyurt	ST7:SC-Papers-Elementary Preservice Teachers' Science & Engineering Self-Efficacy - 03/31/2019 04:20 pm to 05:50 pm, ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Ezra Gouvea	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Fangfang Zhao	ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm
Fatima Rahman	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
Fatma Kaya	ST5:SC-Papers-Students' conceptual understanding and beliefs - 04/01/2019 09:30 am to 11:00 am
Fatma Yaman	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm
Fayette Shaw	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Felicia DT Leammukda	ST11:SC-Papers-Reconceptualizing Representation in Science Education: Experiences of Teachers and Students of Color - 04/01/2019 11:15 am to 12:45 pm
Felicia Moore Mensah	ST16:AS-Professional Citizenship: Lifetime commitments and rewards - 04/01/2019 09:30 am to 11:00 am, ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African American Learners - 04/02/2019 08:00 am to 09:30 am, ST8:SC-Papers-Teacher Affect, Agency, and Identity - 04/03/2019 10:30 am to 12:00 pm
Femi S. Otulaja	ST16:AS-Creating and sustaining collective activism: The case of sharing indigenous science knowledge, education and research - 04/01/2019 11:15 am to 12:45 pm, ST11:SC-Papers-Social Justice Curriculum and Agency in Science Education - 04/01/2019 01:15 pm to 02:45 pm
Ferah Ozer	ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm
Feral Ogan-Bekiroglu	ST2:SC-Papers-Motivation - 04/01/2019 09:30 am to 11:00 am
Flávia C V Silva	ST2:SC-Papers-Thinking Processes - 04/02/2019 08:00 am to 09:30 am
Fouad Abd-El-Khalick	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm, ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm, ST16:AS-Publishing and Reviewing in the Journal of Research in Science Teaching - 04/03/2019 10:30 am to 12:00 pm
Frackson Mumba	ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am, ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Francesca A. Williamson	ST16:AS-Graduate Student Research Symposium - 04/02/2019 08:00 am to 09:30 am, ST16: Graduate Student Forum - 04/02/2019 02:30 pm to 04:00 pm, ST16: Graduate Student Social - 04/02/2019 04:15 pm to 05:45 pm
Franz X Bogner	ST14:RP-Adolescent anthropo- and ecocentrism: Qualitative conceptual views and quantitative relationships - 04/02/2019 10:00 am to 11:30 am
Franz X. Bogner	ST14:RP-Adolescent anthropo- and ecocentrism: Qualitative conceptual views and quantitative relationships - 04/02/2019 10:00 am to 11:30 am, ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Freek Pols	ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Frieda Reichsman	ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
G. Michael Bowen	ST16:AS-NSTA's Annual Research Worth Reading Recognition - 04/01/2019 01:15 pm to 02:45 pm, ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Gabby Shwartz	ST11:RP-EExamining sociocultural perspectives on agency and identity as framings for learning and teaching science - 03/31/2019 02:40 pm to 04:10 pm, ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm

Gail Richmond	ST11:RP-Examining sociocultural perspectives on agency and identity as framings for learning and teaching science - 03/31/2019 02:40 pm to 04:10 pm, ST16:AS-Science Teacher Professional development: Addressing Challenges of Complexity, Responsivity and Scale - 04/01/2019 09:30 am to 11:00 am, ST16:AS-Viewing Collective Activism Through the Lenses of Critical Science Education Research - 04/02/2019 02:30 pm to 04:00 pm, ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Gale A. Seiler	ST11:SC-Papers-Social Justice Curriculum and Agency in Science Education - 04/01/2019 01:15 pm to 02:45 pm, ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African American Learners - 04/02/2019 08:00 am to 09:30 am
Gary M. Holliday	ST16:AS-Professional Citizenship: Lifetime commitments and rewards - 04/01/2019 09:30 am to 11:00 am
Gary Weiser	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Gautam Biswas	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Gavin Fulmer	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm
Gavin W. Fulmer	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm, ST8:SC-Papers-Considerations for Curricular and Materials Decisions - 04/01/2019 01:15 pm to 02:45 pm, ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Gaye D. Ceyhan	ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Geeta Verma	ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Gena C. Sbeglia	ST10:SC-Papers-Evolution and cultural understanding - 04/02/2019 10:00 am to 11:30 am, ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am, ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
George DeBoer	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm
George E. De Boer	ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm, ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
George E. DeBoer	ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Georgia Hodges	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm, ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm, ST3:SC-Papers-Elementary Learning Environments - 04/03/2019 08:00 am to 09:30 am
Gerardo Aponte-Martinez	ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm
Gerhard Sonnert	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
Gey-Hong Gweon	ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
Gili Marbach-Ad	ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Gillian H. Roehrig	ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Gillian Puttick	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Gillian Roehrig	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm, ST8:RP-Social Network-based Investigations of Teacher Communities of Practice and Professional Persistence. - 04/01/2019 09:30 am to 11:00 am, ST11:SC-Papers-Reconceptualizing Representation in Science Education: Experiences of Teachers and Students of Color - 04/01/2019 11:15 am to 12:45 pm, ST8:SC-Papers-Considerations for Curricular and Materials Decisions - 04/01/2019 01:15 pm to 02:45 pm, ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm
Gillian U. Bayne	ST16:AS-Science Educators Creating and Sustaining Collective Activism: Implications for Research and Practice - 03/31/2019 04:20 pm to 05:50 pm
Gina Childers	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am, ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Gina M Quan	ST2:SC-Papers-Issues in Physics Learning - 04/02/2019 10:00 am to 11:30 am
Gina N. Svarovsky	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm



Glen E. Martin	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm, ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm
Glenda L. Prime	ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African American Learners - 04/02/2019 08:00 am to 09:30 am
Greg Rushton	ST8:RP-Social Network-based Investigations of Teacher Communities of Practice and Professional Persistence. - 04/01/2019 09:30 am to 11:00 am, ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm, ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Gregory J. Kelly	ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
Gregory Kelly	ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
Greses A. Jöhnk	ST11:RP-Culturally relevant virtual reality learning: Bridging cultures, content, and contexts - 04/01/2019 11:15 am to 12:45 pm
Greses Pérez	ST11:SC-Papers-Social Justice Curriculum and Agency in Science Education - 04/01/2019 01:15 pm to 02:45 pm, ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Greta Strimbaum	ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Gul Unal Coban	ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am, ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Guluzar Eymur	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Gunnar Friege	ST2:SC-Papers-Issues in Physics Learning - 04/02/2019 10:00 am to 11:30 am
Guy Raviv	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Haiying Long	ST4:SC-Papers-The Role of Teacher Affect and Beliefs in Secondary Science - 04/01/2019 09:30 am to 11:00 am
Haley Harville-York	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Hanan Kohen	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Hannah Jardine	ST5:SC-Papers-Faculty adoption of teaching innovations - 04/03/2019 01:30 pm to 03:00 pm
Hannah Natividad	ST2:RP-Representations, Scientific Knowledge, and Identity Construction: Minoritized Students and Science - 03/31/2019 04:20 pm to 05:50 pm
Hannah Sevian	ST16:AS-Science Teacher Professional development: Addressing Challenges of Complexity, Responsivity and Scale - 04/01/2019 09:30 am to 11:00 am, ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm, ST5:SC-Papers-Students' problem solving and design - 04/02/2019 02:30 pm to 04:00 pm, ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm, ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Hanno Michel	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm, ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Hannoori Jeong	ST7:RP-Exploring the Integration of Computational Thinking in a Preservice Elementary Science Methods Course: Multiple Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Harleen Singh	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm, ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Hasan Deniz	ST7:SC-Papers-Elementary Preservice Teachers' Science & Engineering Self-Efficacy - 03/31/2019 04:20 pm to 05:50 pm, ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Heather F. Clark	ST8:SC-Papers-Attending to Student Talk - 04/01/2019 09:30 am to 11:00 am
Heather J. Johnson	ST7:SC-Papers-Culturally & Socially Responsive Pedagogy - 04/02/2019 10:00 am to 11:30 am, ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm
Heather Toomey Zimmerman	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm, ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am, ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Heba El-Deghaidy	ST16:AS-NSTA's Annual Research Worth Reading Recognition - 04/01/2019 01:15 pm to 02:45 pm

Hebbah El-Moslimany	ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm
Heena R. Lakhani	ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm
Hee-Sun Lee	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
Heidi B. Carlone	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm, ST2:SC-Papers-Science Learning Outside of the Classroom - 04/03/2019 01:30 pm to 03:00 pm
Heidi Ballard	ST6: Citizen Science in STEM Education: Linking society, Scientists and Education Systems - 04/01/2019 01:15 pm to 02:45 pm, ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Heidi Cian	ST16: Graduate Student Social - 04/02/2019 04:15 pm to 05:45 pm
Helen Zhang	ST11: Leveraging Youth's Diverse Backgrounds to Broaden Participation in STEM through Invention Education - 04/03/2019 08:00 am to 09:30 am
Hendrik Härtig	ST2:SC-Papers-Strategies for Overcoming Barriers to Science Learning - 04/02/2019 04:15 pm to 05:45 pm
Henriette D. Burns	ST11:SC-Papers-Working to Improve All Students' Engagement and Learning in Science - 03/31/2019 04:20 pm to 05:50 pm
Henriette T. Holmegaard	ST11:RP-EExamining sociocultural perspectives on agency and identity as framings for learning and teaching science - 03/31/2019 02:40 pm to 04:10 pm
Herman E Ray	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm
Hernan Cofre	ST7:SC-Papers-Pedagogical Content Knowledge of Preservice Teachers - 04/03/2019 10:30 am to 12:00 pm
Heta Gandhi	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm
Hildah K. Makori	ST11:SC-Papers-Social Justice Curriculum and Agency in Science Education - 04/01/2019 01:15 pm to 02:45 pm
Hillary A Barron	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Hillary A. Barron	ST11:SC-Papers-Reconceptualizing Representation in Science Education: Experiences of Teachers and Students of Color - 04/01/2019 11:15 am to 12:45 pm
Hillary L. Swanson	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am
Hillel Rozenzweig	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Hoda Ehsan	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Hrisilda Matathia Tor	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Hsiang-Ting Chen	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am, ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm
Hsin-Hui Wang	ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm, ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Huann-Shyang Lin	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm, ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm, ST5:SC-Papers-Investigating students' systems thinking - 04/02/2019 08:00 am to 09:30 am, ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Hui Jin	ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Hui-Hui Wang	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Ian C. Binns	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm
Ibrahim Delen	ST16:AS-Learn about Elections & Get Involved - 04/01/2019 01:15 pm to 02:45 pm, ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am
Ibrahim H. Yeter	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Idalis Villanueva	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Ignacio Sanchez Diaz	ST2:SC-Papers-Socio-Scientific Issues - 04/01/2019 01:15 pm to 02:45 pm

Ileana M. Greca	ST13: Teaching Science with historical, philosophical and sociological context in Ibero- america - 04/02/2019 04:15 pm to 05:45 pm
Illana C. Livstrom	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm, ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm
Ilya Levin	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Immaculata C. Egerue	ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am
Ineke Henze-Rietveld	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm, ST2:SC-Papers-Socio-Scientific Issues - 04/01/2019 01:15 pm to 02:45 pm, ST7:SC-Papers-Pedagogical Content Knowledge of Preservice Teachers - 04/03/2019 10:30 am to 12:00 pm
Ira Caspari	ST5:SC-Papers-Students' problem solving and design - 04/02/2019 02:30 pm to 04:00 pm
Irasema Ortega	ST16:AS-Creating and sustaining collective activism: The case of sharing indigenous science knowledge, education and research - 04/01/2019 11:15 am to 12:45 pm
Irene Neumann	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm
Iris Alkahrer	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Issam H. Abi-El-Mona	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Ivan Ceballos Madrigal	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm, ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm
Ivanna Pengelley	ST9:SC-Papers-Reflective Practices for Instructors Inside and Outside of Classrooms - 03/31/2019 02:40 pm to 04:10 pm, ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
J. Brian Hancock	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
J. Bryan Henderson	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Jack A Cerchiara	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm, ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Jaclyn Murray	ST5:SC-Papers-Students' problem solving and design - 04/02/2019 02:30 pm to 04:00 pm
Jacob Pleasants	ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm, ST13:SC-Papers-Nature of Engineering - 04/01/2019 09:30 am to 11:00 am
Jacqueline Leonard	ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African american Learners - 04/02/2019 08:00 am to 09:30 am
Jaime L. Sabel	ST5:SC-Papers-Students' conceptual understanding and beliefs - 04/01/2019 09:30 am to 11:00 am, ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
James Concannon	ST2:SC-Papers-Strategies for Overcoming Barriers to Science Learning - 04/02/2019 04:15 pm to 05:45 pm
James E. Hamos	ST16:AS-Science Teacher Professional development: Addressing Challenges of Complexity, Responsivity and Scale - 04/01/2019 09:30 am to 11:00 am
James Hamos	ST16:AS-Science Teacher Professional development: Addressing Challenges of Complexity, Responsivity and Scale - 04/01/2019 09:30 am to 11:00 am
James M. Laffey	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am, ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
James M. Nyachwaya	ST16:AS-Science Educators Creating and Sustaining Collective Activism: Implications for Research and Practice - 03/31/2019 04:20 pm to 05:50 pm
James P. Planey	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
James Pellegrino	ST10: Reconceptualizing Alignment for NGSS Assessments - 03/31/2019 04:20 pm to 05:50 pm, ST16:AS-Integrating Science and Engineering with a Focus on Evidence of Student Learning - 04/02/2019 08:00 am to 09:30 am
James Smith	ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
James W. Harrell	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Jameson Chace	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm
Jamie Jirout	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm

Jamie L. Tanas	ST8:SC-Papers-Considerations for Curricular and Materials Decisions - 04/01/2019 01:15 pm to 02:45 pm
Jamie Studwell	ST12:RP-Student Use of Evidence in Multi-User Virtual and Augmented Reality-Based Science Curricula: Examples from EcoLearn - 04/02/2019 08:00 am to 09:30 am
Jamie Wallace	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm
Jan Schröder	ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm, ST7:SC-Papers-Practice-Based Curriculum Design - 04/02/2019 04:15 pm to 05:45 pm, ST7:SC-Papers-Performance Assessment - 04/03/2019 08:00 am to 09:30 am
Jana Bouwma-Gearhart	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Jana L. Bouwma-Gearhart	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm, ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Janan Saba	ST12: Disentangling Coding in Secondary School Science: Contexts, Interfaces and Assessments - 04/02/2019 02:30 pm to 04:00 pm
Janice Gobert	ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Janice L. Anderson	ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Jared Boyce	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Jarod Kawasaki	ST8:SC-Papers-Attending to Student Talk - 04/01/2019 09:30 am to 11:00 am
Jasmine Ma	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Jasmine Marckwordt	ST6:SC-Papers-Informal STEM Education Professionals - 04/02/2019 10:00 am to 11:30 am
Jason Koontz	ST5:SC-Papers-Students' conceptual understanding and beliefs - 04/01/2019 09:30 am to 11:00 am
Jason R. Wiles	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am, ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Jason Y. Buell	ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Javier Robalino	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Jay Thomas	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Jayashri Srinivasan	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Jayma Koval	ST10:RP-Promoting Sustainability Through Research-Practice Partnerships - 04/02/2019 08:00 am to 09:30 am
Jeanna R. Wieselmann	ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm, ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Jeanne Brunner	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm
Jeanne W. Christman	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
Jean-Philippe Ayotte-Beudet	ST2:SC-Papers-Science Learning Outside of the Classroom - 04/03/2019 01:30 pm to 03:00 pm
Jeffrey D. Radloff	ST3:RP-EExamining teacher learning of pedagogical reasoning and practices to support elementary engineering design - 03/31/2019 02:40 pm to 04:10 pm
Jeffrey L. Ram	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am
Jeffrey Nordine	ST1: Clarifying the Role(s) of the Crosscutting Concepts in Science and Engineering Learning - 04/02/2019 10:00 am to 11:30 am, ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm, ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Jennifer A. Wilhelm	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm
Jennifer Adams	ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm, ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm, ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am
Jennifer Chiu	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Jennifer E. Mesiner	ST7:SC-Papers-Practice-Based Curriculum Design - 04/02/2019 04:15 pm to 05:45 pm

Jennifer F. Oramous	ST4:SC-Papers-The Role of Teacher Affect and Beliefs in Secondary Science - 04/01/2019 09:30 am to 11:00 am, ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Jennifer H Doherty	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Jennifer H. Doherty	ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm, ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Jennifer Jacobs	ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Jennifer L Bankers-Fulbright	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Jennifer L. Maeng	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Jennifer L. Weible	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm, ST7:RP-Making and Preservice Teachers: Exploring Designs for Supporting the Integration of Making in STEM Classrooms - 03/31/2019 04:20 pm to 05:50 pm, ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Jennifer Maeng	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm, ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Jennifer Morgan	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Jennifer Ottley	ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm
Jennifer Schneiderhan	ST14:RP-Adolescent anthropo- and ecocentrism: Qualitative conceptual views and quantitative relationships - 04/02/2019 10:00 am to 11:30 am
Jenny L McFarland	ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Jenny P. Quintana Cifuentes	ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm
Jeremy D. Sloane	ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Jeremy M Munsell	ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Jesper Bruun	ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm
Jessica Alzen	ST10:RP-Supporting Purposeful Sensemaking in Science Classrooms - 04/02/2019 04:15 pm to 05:45 pm
Jessica B Napier	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm
Jessica Cellitti	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm
Jessica Gale	ST10:RP-Promoting Sustainability Through Research-Practice Partnerships - 04/02/2019 08:00 am to 09:30 am, ST2:SC-Papers-Engineering in the High School Classroom - 04/02/2019 10:00 am to 11:30 am
Jessica L Chen	ST8:SC-Papers-Teacher Affect, Agency, and Identity - 04/03/2019 10:30 am to 12:00 pm
Jessica R Bean	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm
Jessica Triant	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Jessica Watkins	ST3:RP-EExamining teacher learning of pedagogical reasoning and practices to support elementary engineering design - 03/31/2019 02:40 pm to 04:10 pm, ST16:AS-Integrating Science and Engineering with a Focus on Evidence of Student Learning - 04/02/2019 08:00 am to 09:30 am
Jesús Ángel Menézes Villagrà	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm
Ji Yoon Jung	ST2:SC-Papers-Thinking Processes - 04/02/2019 08:00 am to 09:30 am
Jianlan Wang	ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm
Jie Hao	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm
Jill A. Wertheim	ST10: Reconceptualizing Alignment for NGSS Assessments - 03/31/2019 04:20 pm to 05:50 pm
Jim A. Minstrell	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Jim D. Slotta	ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm
Jing Lin	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am

Jo Ellen Roseman	ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm, ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Joanne K. Olson	ST13:SC-Papers-Nature of Engineering - 04/01/2019 09:30 am to 11:00 am
Jochen Kuhn	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Jodi Davenport	ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Jody Bintz	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm
Joel Rothman	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
John F. Smith	ST10:RP-Supporting Purposeful Sensemaking in Science Classrooms - 04/02/2019 04:15 pm to 05:45 pm
John L. Irwin	ST8:SC-Papers-Supporting Authentic Science and Engineering Practices - 03/31/2019 04:20 pm to 05:50 pm
John Merrill	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
John R. Ruppert	ST14:AS-Socioscientific Contexts and Environmental Education Curriculum Materials for K-18 Educators - 04/01/2019 01:15 pm to 02:45 pm
John Settlage	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm
John W. Tillotson	ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
John-Carlos Marino	ST3:RP-Characterizing Elementary Science Teachers' Development with an Eye toward Sensemaking: A Related Paper Set - 04/02/2019 10:00 am to 11:30 am
Jomo W. Mutegi	ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African American Learners - 04/02/2019 08:00 am to 09:30 am
Jonathan Cox	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Jonathan D. McCausland	ST8: ambitious Science Teacher Learning Across the Professional Continuum - 04/03/2019 01:30 pm to 03:00 pm
Jonathan Francis Osborne	ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm, ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Jonathan L. Hall	ST11:SC-Papers-Critical Examination of Science Experiences at the Intersections of Race and Gender - 03/31/2019 04:20 pm to 05:50 pm, ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm
Jonathan Lim-Breitbart	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm
Jonathan T. Shemwell	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Jonte C. Taylor	ST11: Disability Studies in (Science) Education as a Framework for Equity and Action - 04/01/2019 09:30 am to 11:00 am
Jordan L. Henley	ST16: Creating and Sustaining Collective Activism through Science Education Research - 04/03/2019 01:30 pm to 03:00 pm
Jörn J. Hägele	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am
Jose Felipe Martinez	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Jose M. Pavez	ST4: Ways of Thinking Influencing the Teaching and Learning of Evolution - 04/02/2019 04:15 pm to 05:45 pm
Josef Riese	ST7:SC-Papers-Performance Assessment - 04/03/2019 08:00 am to 09:30 am
Joseph A. Gardella	ST11:SC-Papers-Critical Examination of Science Experiences at the Intersections of Race and Gender - 03/31/2019 04:20 pm to 05:50 pm
Joseph A. Johnson	ST14:AS-Socioscientific Contexts and Environmental Education Curriculum Materials for K-18 Educators - 04/01/2019 01:15 pm to 02:45 pm, ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm
Joseph A. Taylor	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm
Joseph El-Helou	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm

Joseph Griffin	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am, ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Joseph M. Hardcastle	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm, ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm, ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Joseph M. Reilly	ST12:RP-Student Use of Evidence in Multi-User Virtual and Augmented Reality-Based Science Curricula: Examples from EcoLearn - 04/02/2019 08:00 am to 09:30 am
Joseph Roche	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Joseph S. Krajcik	ST10: Reconceptualizing Alignment for NGSS Assessments - 03/31/2019 04:20 pm to 05:50 pm, ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST8:SC-Papers-Considerations for Curricular and Materials Decisions - 04/01/2019 01:15 pm to 02:45 pm, ST1: Clarifying the Role(s) of the Crosscutting Concepts in Science and Engineering Learning - 04/02/2019 10:00 am to 11:30 am, ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Joseph T. Wong	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am, ST3:SC-Papers-Equitable Teaching & Diverse Learners - 04/03/2019 10:30 am to 12:00 pm
Joseph W. Shane	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm
Joshua A. Ellis	ST8:SC-Papers-Supporting Authentic Science and Engineering Practices - 03/31/2019 04:20 pm to 05:50 pm
Joshua Le	ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm
Joshua M. Rosenberg	ST8:SC-Papers-Characteristics of Successful Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Joshua Premo	ST5:SC-Papers-Students' persistence and motivation - 03/31/2019 02:40 pm to 04:10 pm
Joshua Reid	ST8:SC-Papers-Characteristics of Successful Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Joshua Valcarcel	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Juan Jimenez	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm, ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm, ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm
Judith Breuer	ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm
Judith Lederman	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm, ST13: Teaching Science with historical, philosophical and sociological context in Ibero- america - 04/02/2019 04:15 pm to 05:45 pm
Judith S. Lederman	ST16:AS-Professional Citizenship: Lifetime commitments and rewards - 04/01/2019 09:30 am to 11:00 am, ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm, ST13: Teaching Science with historical, philosophical and sociological context in Ibero- america - 04/02/2019 04:15 pm to 05:45 pm, ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm
Judith A. Cooper-Wagoner	ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Judy Yehudit Dori	ST11:RP-EExamining sociocultural perspectives on agency and identity as framings for learning and teaching science - 03/31/2019 02:40 pm to 04:10 pm, ST16:AS-Science Teacher Professional development: Addressing Challenges of Complexity, Responsivity and Scale - 04/01/2019 09:30 am to 11:00 am, ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am, ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Julia Gouvea	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm, ST2:RP-Eliciting and Supporting Students' Doing Science in School - 04/02/2019 08:00 am to 09:30 am
Julia Lorke	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Julia Mierdel	ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Julia Plummer	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm

Julia Woithe	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Julian Fischer	ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm
Julie A. Bianchini	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm, ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Julie A. Luft	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm, ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Julie Angle	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm
Julie C Brown	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Julie C. Brown	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm, ST11:SC-Papers-Reconceptualizing Representation in Science Education: Experiences of Teachers and Students of Color - 04/01/2019 11:15 am to 12:45 pm
Julie Dunphy	ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm
Julie R. Robinson	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
Julie Reynolds	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Julius L Davis	ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African American Learners - 04/02/2019 08:00 am to 09:30 am
Justin McFadden	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Justin R. McFadden	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Justin Shaifer	ST16:AS-African Diasporic Science Education: Teaching and Learning Through Activism - 04/02/2019 10:00 am to 11:30 am
Justin Sigoloff	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am, ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Justina A. Ogodo	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm, ST7:SC-Papers-Culturally & Socially Responsive Pedagogy - 04/02/2019 10:00 am to 11:30 am, ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am, ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Justine S. Oesterle	ST11:SC-Papers-Reconceptualizing Representation in Science Education: Experiences of Teachers and Students of Color - 04/01/2019 11:15 am to 12:45 pm
Juyeon Lee	ST3:SC-Papers-Elementary Learning Environments - 04/03/2019 08:00 am to 09:30 am
Kader Bilican	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Kara E. Gray	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Karen Draney	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Karen Irving	ST7:SC-Papers-Culturally & Socially Responsive Pedagogy - 04/02/2019 10:00 am to 11:30 am
Karen J. Canales	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Karen Miel	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Karen Woodruff	ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm
Karin Keith	ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Karina Bhutta	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Karl G. Jung	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Karyn Housh	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Kate Henson	ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Kate Popejoy	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am



Kate Youmans	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Katerina Thompson	ST5:SC-Papers-Students' persistence and motivation - 03/31/2019 02:40 pm to 04:10 pm
Katherine Chesnutt	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Katherine Doerr Morosky	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
Katherine L. McNeill	ST16:AS-Achieving More Powerful Research Impacts Through Dissemination and Engagement with Varied Audiences - 04/01/2019 09:30 am to 11:00 am, ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Katherine Miller	ST8:SC-Papers-Authentic and Environmental Contexts for Teaching - 04/03/2019 10:30 am to 12:00 pm
Katherine R McCance	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Katherine V. Thompson	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Katherine Wade-Jaimes	ST11:SC-Papers-Reconceptualizing Representation in Science Education: Experiences of Teachers and Students of Color - 04/01/2019 11:15 am to 12:45 pm, ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Kathleen A Schenkel	ST11:SC-Papers-Working to Improve All Students' Engagement and Learning in Science - 03/31/2019 04:20 pm to 05:50 pm
Kathleen A. Weiss	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm
Kathleen Bergin	ST10:RP-Promoting Sustainability Through Research-Practice Partnerships - 04/02/2019 08:00 am to 09:30 am
Kathleen J. Roth	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm
Kathlyn Southard	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Kathryn L Nagy	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Kathryn L. Kirchgasser	ST11:RP-From Sleeping Police to Socio-Material Entanglement: Rethinking the Racialization and Gendering of STEM Education Practices - 03/31/2019 04:20 pm to 05:50 pm
Kathryn M. Bateman	ST8: ambitious Science Teacher Learning Across the Professional Continuum - 04/03/2019 01:30 pm to 03:00 pm
Kathryn N. Hayes	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm, ST8:SC-Papers-Authentic and Environmental Contexts for Teaching - 04/03/2019 10:30 am to 12:00 pm
Kathryn Parsley	ST5:SC-Papers-Students' conceptual understanding and beliefs - 04/01/2019 09:30 am to 11:00 am, ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Kathryn Ribay	ST11:RP-Culturally relevant virtual reality learning: Bridging cultures, content, and contexts - 04/01/2019 11:15 am to 12:45 pm, ST11:SC-Papers-Social Justice Curriculum and Agency in Science Education - 04/01/2019 01:15 pm to 02:45 pm
Kathryn Scantlebury	ST11:RP-From Sleeping Police to Socio-Material Entanglement: Rethinking the Racialization and Gendering of STEM Education Practices - 03/31/2019 04:20 pm to 05:50 pm
Kathryn Stevenson	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm
Kathryn Stofer	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm
Katie Green	ST4: Ways of Thinking Influencing the Teaching and Learning of Evolution - 04/02/2019 04:15 pm to 05:45 pm
Katie Van Horne	ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Katja Löppenber	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
Kayahan Ince	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm
Kayla Flanagan	ST3:SC-Papers-Elementary Learning Environments - 04/03/2019 08:00 am to 09:30 am
Kayla Norville	ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm, ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am
Keisha M Allen	ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African American Learners - 04/02/2019 08:00 am to 09:30 am

Keith R. Langenhoven	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Keith Sheppard	ST8:RP-Social Network-based Investigations of Teacher Communities of Practice and Professional Persistence. - 04/01/2019 09:30 am to 11:00 am, ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am, ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm
Kelli M Paul	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Kelly J. Barber-Lester	ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Kelly Kneece	ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm
Kelly M. Mills	ST7:RP-Exploring the Integration of Computational Thinking in a Preservice Elementary Science Methods Course: Multiple Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Kelsey D. Edwards	ST10:RP-Supporting Purposeful Sensemaking in Science Classrooms - 04/02/2019 04:15 pm to 05:45 pm
Kelsey Tayne	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Ken Frank	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Kenneth F. Llort	ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Kent J. Crippen	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm, ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Keren E. Dalyot	ST6: Citizen Science in STEM Education: Linking society, Scientists and Education Systems - 04/01/2019 01:15 pm to 02:45 pm, ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Kerrie Douglas	ST16:AS-Integrating Science and Engineering with a Focus on Evidence of Student Learning - 04/02/2019 08:00 am to 09:30 am
Kerry A. Bartlett	ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Kevin C. Haudek	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Kevin Cherbow	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Kevin D. Cunningham	ST7:RP-Making and Preservice Teachers: Exploring Designs for Supporting the Integration of Making in STEM Classrooms - 03/31/2019 04:20 pm to 05:50 pm
Kevin Fleming	ST11: Disability Studies in (Science) Education as a Framework for Equity and Action - 04/01/2019 09:30 am to 11:00 am
Kevin W. McElhaneey	ST1: Clarifying the Role(s) of the Crosscutting Concepts in Science and Engineering Learning - 04/02/2019 10:00 am to 11:30 am, ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm, ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Khadija E. Fouad	ST13:SC-Papers-Nature of Engineering - 04/01/2019 09:30 am to 11:00 am
Kihyun Ryoo	ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm
Kiley McElroy-Brown	ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Kim Luttgren	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Kim T Watson	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm
Kimberley P Good	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Kimberly Nguyen	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Kirby Whittington	ST11:SC-Papers-Working to Improve All Students' Engagement and Learning in Science - 03/31/2019 04:20 pm to 05:50 pm
Kirsten D. Edwards	ST8:SC-Papers-Attending to Student Talk - 04/01/2019 09:30 am to 11:00 am
Kirsten K. Mawyer	ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm
Klint Kanopka	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm, ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm

Knut Neumann	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm, ST16:AS-Professional Citizenship: Lifetime commitments and rewards - 04/01/2019 09:30 am to 11:00 am, ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm, ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Knut Wille	ST2:SC-Papers-Issues in Physics Learning - 04/02/2019 10:00 am to 11:30 am
Korah Wiley	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm
Kraig A. Wray	ST11:RP-EExamining sociocultural perspectives on agency and identity as framings for learning and teaching science - 03/31/2019 02:40 pm to 04:10 pm, ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Kristen B. Wendell	ST3:RP-EExamining teacher learning of pedagogical reasoning and practices to support elementary engineering design - 03/31/2019 02:40 pm to 04:10 pm, ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm, ST16:AS-Integrating Science and Engineering with a Focus on Evidence of Student Learning - 04/02/2019 08:00 am to 09:30 am, ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
Kristen Clapper Bergsman	ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Kristi Glassmeyer	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Kristin A. Searle	ST7:RP-Making and Preservice Teachers: Exploring Designs for Supporting the Integration of Making in STEM Classrooms - 03/31/2019 04:20 pm to 05:50 pm
Kristin Helbig	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm
Kristin L. Gunckel	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm, ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Kristin M Bass	ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm
Kuay-Keng Yang	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Kubra Yeter-Aydeniz	ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm
Kyungjin Cho	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm
Laird Kramer	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Lama Z. Jaber	ST8:SC-Papers-Teacher Affect, Agency, and Identity - 04/03/2019 10:30 am to 12:00 pm
Lana Minshew	ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Lane Seeley	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Lara Appleby	ST2:RP-Eliciting and Supporting Students' Doing Science in School - 04/02/2019 08:00 am to 09:30 am
Larissa Greinert	ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Lark Widener	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm
LaToya Strong	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Laura A. Zangori	ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm
Laura A. Zeller	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm
Laura Carsten Conner	ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Laura E. Oxtoby	ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Laura E. Robertson	ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Laura K. Pottmeyer	ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am
Laura Zangori	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm, ST5:SC-Papers-Students' conceptual understanding and beliefs - 04/01/2019 09:30 am to 11:00 am
Lauren Jescovitch	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm, ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am

Lauren Madden	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm, ST11: Disability Studies in (Science) Education as a Framework for Equity and Action - 04/01/2019 09:30 am to 11:00 am
Lauren Saenz	ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Lautaro Cabrera	ST7:RP-Exploring the Integration of Computational Thinking in a Preservice Elementary Science Methods Course: Multiple Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Lautaro Cabrera	ST7:RP-Exploring the Integration of Computational Thinking in a Preservice Elementary Science Methods Course: Multiple Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Leah A. Bricker	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm, ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Leah Bricker	ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Leah Bug	ST8:SC-Papers-Characteristics of Successful Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Leah E. Metcalf	ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm
Lee Meadows	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm
LeeAnna C. Hooper	ST7:SC-Papers- ambitious Science Teaching - 04/01/2019 01:15 pm to 02:45 pm
Lei Liu	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Leigh B. Estabrooks	ST11: Leveraging Youth's Diverse Backgrounds to Broaden Participation in STEM through Invention Education - 04/03/2019 08:00 am to 09:30 am
Leigh K. Smith	ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm, ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Len Annetta	ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am
Leon Walls	ST16:AS-Learn about Elections & Get Involved - 04/01/2019 01:15 pm to 02:45 pm
Leona F Davis	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am, ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Leonora Kaldaras	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am
Lesley Simanton-Coogan	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Leslie Bushong	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Lezlie DeWater	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Libby Gerard	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm
Lillian G. Senn	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Lin Ding	ST7:SC-Papers-Culturally & Socially Responsive Pedagogy - 04/02/2019 10:00 am to 11:30 am
Lina Boyer	ST2:SC-Papers-Strategies for Overcoming Barriers to Science Learning - 04/02/2019 04:15 pm to 05:45 pm
Linda Padwa	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Lindsay B. Wheeler	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm
Lindsay Ruhter	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Lindsey Walker	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Lisa A. Borgerding	ST5:SC-Papers-Students' conceptual understanding and beliefs - 04/01/2019 09:30 am to 11:00 am
Lisa Anthony	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm
Lisa Elfring	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Lisa Hardy	ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
Lisa Marco	ST7:SC-Papers-Culturally & Socially Responsive Pedagogy - 04/02/2019 10:00 am to 11:30 am
Lisa Schmitz	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Lisa Shah	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm

Lisa-Maria Kaiser	ST2:SC-Papers-Motivation - 04/01/2019 09:30 am to 11:00 am
Lissa Soep	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Liz Carletta	ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm
Lorelei E Patrick	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Lorelie Imperial	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm, ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Lori Andersen	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Louis S. Nadelson	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Louisa A. Stark	ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm
Louise Archer	ST16:AS-Viewing Collective Activism Through the Lenses of Critical Science Education Research - 04/02/2019 02:30 pm to 04:00 pm, ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Louise Mead	ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am, ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Lu Wang	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Lucas Nascimento	ST2:SC-Papers-Argumentation in the Science Classroom - 04/01/2019 01:15 pm to 02:45 pm
Lucas Vechiato	ST2:SC-Papers-Argumentation in the Science Classroom - 04/01/2019 01:15 pm to 02:45 pm
Lucy Avraamidou	ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Lucy R. McClain	ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am
Luisa McHugh	ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm
Luke D. Conlin	ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Lynn A. Bryan	ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm
Lynn D. Dierking	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Lyrice Lucas	ST4:RP-Measuring and Modelling How and When Effective Science Teaching Occurs - 04/02/2019 04:15 pm to 05:45 pm
M. Gail Jones	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm, ST2:SC-Papers-STEM in the Secondary Setting - 04/03/2019 08:00 am to 09:30 am, ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
M. Lisette Lopez	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am, ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
M. Shane Tutwiler	ST12:RP-Student Use of Evidence in Multi-User Virtual and Augmented Reality-Based Science Curricula: Examples from EcoLearn - 04/02/2019 08:00 am to 09:30 am
Maayan Schwartz	ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Macey Jarrard	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Magued Iskander	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Malcolm B. Butler	ST11:SC-Papers-Critical Examination of Science Experiences at the Intersections of Race and Gender - 03/31/2019 04:20 pm to 05:50 pm, ST16:AS-Learn about Elections & Get Involved - 04/01/2019 01:15 pm to 02:45 pm
Malcolm I Bauer	ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Mandy McLean	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Manher Jariwala	ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm
Marc de Vries	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm, ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Marcia C. Linn	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm

Marco Braga	ST13: Teaching Science with historical, philosophical and sociological context in Ibero- america - 04/02/2019 04:15 pm to 05:45 pm
Marcos E García-Ojeda	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Marcus Kubsch	ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Mareike Frevert	ST2:SC-Papers-Socio-Scientific Issues - 04/01/2019 01:15 pm to 02:45 pm
Maren Kempin	ST7:SC-Papers-Performance Assessment - 04/03/2019 08:00 am to 09:30 am
Margaret J. Mohr-Schroeder	ST8:RP-Social Network-based Investigations of Teacher Communities of Practice and Professional Persistence. - 04/01/2019 09:30 am to 11:00 am
Margaret M. Lucero	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm, ST4: Ways of Thinking Influencing the Teaching and Learning of Evolution - 04/02/2019 04:15 pm to 05:45 pm
Margaretann G. Connell	ST16:AS-Graduate Student Research Symposium - 04/02/2019 08:00 am to 09:30 am
Margarita Jimenez-Silva	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm
Maria Araceli Ruiz-Primo	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Maria C C. Olivares	ST11:RP-From Sleeping Police to Socio-Material Entanglement: Rethinking the Racialization and Gendering of STEM Education Practices - 03/31/2019 04:20 pm to 05:50 pm, ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Maria C. Olivares	ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Maria Elice de Brzezinski Prestes	ST13: Teaching Science with historical, philosophical and sociological context in Ibero- america - 04/02/2019 04:15 pm to 05:45 pm
Maria Korolev	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Maria Varelas	ST2:RP-Representations, Scientific Knowledge, and Identity Construction: Minoritized Students and Science - 03/31/2019 04:20 pm to 05:50 pm, ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Marilyn M. Stephens	ST4:SC-Papers-Assessment in Middle and High School - 03/31/2019 04:20 pm to 05:50 pm, ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Marion Usselman	ST10:RP-Promoting Sustainability Through Research-Practice Partnerships - 04/02/2019 08:00 am to 09:30 am
Marisol M Santiago	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Marisol Mercado Santiago	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Marissa Bellino	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
Marissa S. Rollnick	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am, ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Marjee Chmiel	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Mark A. Brenneman	ST7:SC-Papers-Effects of Instructional Strategies - 03/31/2019 02:40 pm to 04:10 pm
Mark A. McDermott	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm
Mark Akubo	ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Mark Lattery	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm
Mark Urban-Lurain	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Marsha Simon	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Martha Eshoo	ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Martha M Canipe	ST7:SC-Papers-Professional Identity & Self-Efficacy - 04/02/2019 08:00 am to 09:30 am
Martin Lindner	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Martin Storksdieck	ST6:SC-Papers-Informal STEM Education Professionals - 04/02/2019 10:00 am to 11:30 am

Martina Nieswandt	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am, ST2:SC-Papers-Engineering in the High School Classroom - 04/02/2019 10:00 am to 11:30 am
Marvin Rost	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm
Mary E. Short	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Mary Ewing	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am, ST2:SC-Papers-Socio-Scientific Issues - 04/01/2019 01:15 pm to 02:45 pm, ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am, ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Mary K. Nyaema	ST5:SC-Papers-Students' persistence and motivation - 03/31/2019 02:40 pm to 04:10 pm, ST2:SC-Papers-Strategies for Overcoming Barriers to Science Learning - 04/02/2019 04:15 pm to 05:45 pm
Mary Lamar	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm
Mary M. Atwater	ST16:AS-African Diasporic Science Education: Teaching and Learning Through Activism - 04/02/2019 10:00 am to 11:30 am
Mary Moriarty	ST10:RP-Promoting Sustainability Through Research-Practice Partnerships - 04/02/2019 08:00 am to 09:30 am
Mary N. Hedenstrom	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm
Mary Pat Wenderoth	ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm, ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm, ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Mary Stapleton	ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Marykay Orgill	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Matt Simon	ST2:RP-Eliciting and Supporting Students' Doing Science in School - 04/02/2019 08:00 am to 09:30 am
Matthew Fisher	ST7:RP-Making and Preservice Teachers: Exploring Designs for Supporting the Integration of Making in STEM Classrooms - 03/31/2019 04:20 pm to 05:50 pm
Matthew J. Benus	ST2:SC-Papers-STEM in the Secondary Setting - 04/03/2019 08:00 am to 09:30 am
Matthew J. Koehler	ST8:SC-Papers-Characteristics of Successful Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Matthew Kloser	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm, ST3:RP-Characterizing Elementary Science Teachers' Development with an Eye toward Sensemaking: A Related Paper Set - 04/02/2019 10:00 am to 11:30 am
Matthew P. Hutchinson	ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm
Matthew P. Perkins Coppola	ST7:SC-Papers-Elementary Preservice Teachers' Science & Engineering Self-Efficacy - 03/31/2019 04:20 pm to 05:50 pm
Matthew Peterson	ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am
Matthew Trzaskus	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Matthew Wilsey	ST11:RP-Culturally relevant virtual reality learning: Bridging cultures, content, and contexts - 04/01/2019 11:15 am to 12:45 pm
Matthias Wilde	ST2:SC-Papers-Motivation - 04/01/2019 09:30 am to 11:00 am, ST2:SC-Papers-Socio-Scientific Issues - 04/01/2019 01:15 pm to 02:45 pm
Maureen Valentne	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
May Lee	ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am
Maya S. White	ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Maya Salcido White	ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm
Maya Usher	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Meenakshi Sharma	ST7:SC-Papers-Performance Assessment - 04/03/2019 08:00 am to 09:30 am
Meera Chandrasekhar	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm

Megan Bang	ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Megan Ennes	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Megan Goss	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Megan Littrell	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Megan Luce	ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Megan T. McKinley	ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm, ST2:SC-Papers-Science Learning Outside of the Classroom - 04/03/2019 01:30 pm to 03:00 pm
Meghan Macias	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm, ST6:SC-Papers-Informal STEM Education Professionals - 04/02/2019 10:00 am to 11:30 am
Mehmet Aydeniz	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm, ST2:SC-Papers-Engineering in the High School Classroom - 04/02/2019 10:00 am to 11:30 am, ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm
Melanie B. Luckay	ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm
Melanie Basten	ST2:SC-Papers-Motivation - 04/01/2019 09:30 am to 11:00 am, ST2:SC-Papers-Socio-Scientific Issues - 04/01/2019 01:15 pm to 02:45 pm
Melanie M. Cooper	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST5:SC-Papers-Faculty adoption of teaching innovations - 04/03/2019 01:30 pm to 03:00 pm
Mele Wheaton	ST8:SC-Papers-Authentic and Environmental Contexts for Teaching - 04/03/2019 10:30 am to 12:00 pm
Melinda Whitford	ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Melissa Braaten	ST4:SC-Papers-Assessment in Middle and High School - 03/31/2019 04:20 pm to 05:50 pm, ST7:SC-Papers-Effects of Instructional Strategies - 03/31/2019 02:40 pm to 04:10 pm, ST8:SC-Papers-Attending to Student Talk - 04/01/2019 09:30 am to 11:00 am, ST3:SC-Papers-Equitable Teaching & Diverse Learners - 04/03/2019 10:30 am to 12:00 pm, ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Melissa Chessler	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
Melissa J. Luna	ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm
Melissa Kjellvik	ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am
Melissa P. Mendenhall	ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Melissa Weinrich	ST5:SC-Papers-Students' problem solving and design - 04/02/2019 02:30 pm to 04:00 pm
Melody Russell	ST16:AS-Science Educators Creating and Sustaining Collective Activism: Implications for Research and Practice - 03/31/2019 04:20 pm to 05:50 pm, ST16:AS-Learn about Elections & Get Involved - 04/01/2019 01:15 pm to 02:45 pm
Meltem Alemdar	ST10:RP-Promoting Sustainability Through Research-Practice Partnerships - 04/02/2019 08:00 am to 09:30 am
Meredith A. Park Rogers	ST9:SC-Papers-Reflective Practices for Instructors Inside and Outside of Classrooms - 03/31/2019 02:40 pm to 04:10 pm
Meredith B. Marcum	ST2:SC-Papers-Strategies for Overcoming Barriers to Science Learning - 04/02/2019 04:15 pm to 05:45 pm
Meredith L. Hayes	ST15:RP-The Status of K-12 Science Education: Obstacles and Progress Toward the Vision of the NGSS - 04/02/2019 04:15 pm to 05:45 pm
Meredith Thompson	ST12:RP-Student Use of Evidence in Multi-User Virtual and Augmented Reality-Based Science Curricula: Examples from EcoLearn - 04/02/2019 08:00 am to 09:30 am
Meredith W. Kier	ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm, ST8:SC-Papers-Teacher Affect, Agency, and Identity - 04/03/2019 10:30 am to 12:00 pm
Merredith D. Portsmouth	ST3:RP-EExamining teacher learning of pedagogical reasoning and practices to support elementary engineering design - 03/31/2019 02:40 pm to 04:10 pm, ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Merryn Cole	ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Merve ARIK	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm
Merve Cin	ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm



Michael Barnett	ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm, ST11: Leveraging Youth's Diverse Backgrounds to Broaden Participation in STEM through Invention Education - 04/03/2019 08:00 am to 09:30 am, ST2:SC-Papers-Science Learning Outside of the Classroom - 04/03/2019 01:30 pm to 03:00 pm
Michael Cassidy	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Michael Corrigan	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am, ST3:SC-Papers-Equitable Teaching & Diverse Learners - 04/03/2019 10:30 am to 12:00 pm
Michael Dentzau	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Michael E. Beeth	ST8:RP-Social Network-based Investigations of Teacher Communities of Practice and Professional Persistence. - 04/01/2019 09:30 am to 11:00 am
Michael Giamellaro	ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm
Michael H Russell	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Michael J. Novak	ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Supporting Purposeful Sensemaking in Science Classrooms - 04/02/2019 04:15 pm to 05:45 pm
Michael P. Clough	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm
Michael Sao Pedro	ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Michaela Maurer	ST14:RP-Adolescent anthropo- and ecocentrism: Qualitative conceptual views and quantitative relationships - 04/02/2019 10:00 am to 11:30 am
Michele Crowl	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm
Michele Koomen	ST11: Disability Studies in (Science) Education as a Framework for Equity and Action - 04/01/2019 09:30 am to 11:00 am, ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm
Michelle A. Fleming	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
Michelle D Snyder	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Michelle Forsythe	ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm, ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm
Michelle H. Wilkerson	ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Michelle Jordan	ST3:RP-EExamining teacher learning of pedagogical reasoning and practices to support elementary engineering design - 03/31/2019 02:40 pm to 04:10 pm
Michelle R. Eades-Baird	ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Michelle Shipman	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Michelle Wooten	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Middleton Michael	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Mihwa Park	ST5:SC-Papers-Students' problem solving and design - 04/02/2019 02:30 pm to 04:00 pm
Mike Stieff	ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Mila Rosa L. Librea-Carden	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Min Li	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Mindy J. Chappell	ST2:RP-Representations, Scientific Knowledge, and Identity Construction: Minoritized Students and Science - 03/31/2019 04:20 pm to 05:50 pm, ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Mingla Charoenmuang	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Mingyu Feng	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm
Minsu Ha	ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am

Miray Tekkumru-Kisa	ST11:SC-Papers-Working to Improve All Students' Engagement and Learning in Science - 03/31/2019 04:20 pm to 05:50 pm, ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Mireya Lemus	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Miri Barak	ST2:SC-Papers-Motivation - 04/01/2019 09:30 am to 11:00 am, ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm, ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am, ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am, ST6:RP-Intergenerational Science Learning: Possibilities Abound - 04/03/2019 10:30 am to 12:00 pm
Mohan Aggarwal	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Molly Goldstein	ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm
Molly H. Weinburgh	ST11:SC-Papers-Working to Improve All Students' Engagement and Learning in Science - 03/31/2019 04:20 pm to 05:50 pm
Molly Malone	ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm
Molly Stuhlsatz	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm, ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm, ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am, ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Monae Verbeke	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Monica D Ramirez-Anderotta	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am, ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Monica E. Cardella	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm, ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Monique Ross	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Moraima Castro-Faix	ST2:SC-Papers-Issues in Physics Learning - 04/02/2019 10:00 am to 11:30 am
Morgan M. Hynes	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm
Moritz Krell	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm, ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm, ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Moyu Zhang	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm
Mustafa S. Topcu	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm, ST7:SC-Papers-Effects of Instructional Strategies - 03/31/2019 02:40 pm to 04:10 pm, ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am
Mustafa Sami Topçu	ST2:SC-Papers-STEM in the Secondary Setting - 04/03/2019 08:00 am to 09:30 am
N. Sanjay Rebello	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm, ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Na'ama Y. Av	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm
Nadine Großmann	ST2:SC-Papers-Motivation - 04/01/2019 09:30 am to 11:00 am
Nam-Hwa Kang	ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm
Nancee Hunter	ST6:SC-Papers-Informal STEM Education Professionals - 04/02/2019 10:00 am to 11:30 am
Nancy L. Staus	ST6:SC-Papers-Informal STEM Education Professionals - 04/02/2019 10:00 am to 11:30 am
Nancy Moreno	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am
Nancy Price	ST6:SC-Papers-Informal STEM Education Professionals - 04/02/2019 10:00 am to 11:30 am, ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Nanette Dietrich	ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm
Narendra D. Deshmukh	ST7:SC-Papers-Model-Based Instruction & Lesson Planning - 04/01/2019 09:30 am to 11:00 am
Na-Ri Lee	ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm

Nasser Mansour	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Natalia Galvez Molina	ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm
Natalie Mansen	ST7:SC-Papers-Model-Based Instruction & Lesson Planning - 04/01/2019 09:30 am to 11:00 am
Natalie S. King	ST6:RP-Intergenerational Science Learning: Possibilities Abound - 04/03/2019 10:30 am to 12:00 pm, ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Nathália Azevedo	ST13: Teaching Science with historical, philosophical and sociological context in Ibero- america - 04/02/2019 04:15 pm to 05:45 pm
Nathan Magee	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
Nathan Phillips	ST2:RP-Representations, Scientific Knowledge, and Identity Construction: Minoritized Students and Science - 03/31/2019 04:20 pm to 05:50 pm
Nathan Quarderer	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm
Nazihan Ursavas	ST7:SC-Papers-Performance Assessment - 04/03/2019 08:00 am to 09:30 am
Neal Simon	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Neil A. Knobloch	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Nejla Atabey	ST2:SC-Papers-STEM in the Secondary Setting - 04/03/2019 08:00 am to 09:30 am
Neta Shaby	ST11:RP-EExamining sociocultural perspectives on agency and identity as framings for learning and teaching science - 03/31/2019 02:40 pm to 04:10 pm, ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am
Netanel Dwolatzky	ST9:SC-Papers-Reflective Practices for Instructors Inside and Outside of Classrooms - 03/31/2019 02:40 pm to 04:10 pm
Neyoulla Al Jurdi	ST3:SC-Papers-Elementary Learning Environments - 04/03/2019 08:00 am to 09:30 am
Nick Haddad	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Nicole A. Batrouny	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
Nicole Bowers	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm, ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am
Nicole I.Z. Wickler	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm
Nicole Wickler	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm
Nicole Zillmer	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Nigel Calder	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Nihal Dogan	ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm
Nina G. Jablonski	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Ningyu Zhang	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Niva Wengrowicz	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm, ST5:SC-Papers-Investigating students' systems thinking - 04/02/2019 08:00 am to 09:30 am
Noemi Waight	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Nonye M. Alozie	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm, ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Norman G. Lederman	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm, ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm, ST16:AS-Learn about Elections & Get Involved - 04/01/2019 01:15 pm to 02:45 pm, ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm, ST13: Teaching Science with historical, philosophical and sociological context in Ibero- america - 04/02/2019 04:15 pm to 05:45 pm
Norman Lederman	ST13: Teaching Science with historical, philosophical and sociological context in Ibero- america - 04/02/2019 04:15 pm to 05:45 pm
Noushin Nouri	ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm
Oliver Tepner	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm
Olivia N. Ritter	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm

Olugbenga G. Akindoju	ST2:SC-Papers-Discourse in a Science Classroom - 03/31/2019 02:40 pm to 04:10 pm, ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am
Or Shav-Artza	ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Orit Ben Zvi Assaraf	ST9:SC-Papers-Reflective Practices for Instructors Inside and Outside of Classrooms - 03/31/2019 02:40 pm to 04:10 pm, ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am
Orlando Aguiar Jr.	ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Ornit Spektor-Levy	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm
Pablo B. Gutierrez	ST11: Leveraging Youth's Diverse Backgrounds to Broaden Participation in STEM through Invention Education - 04/03/2019 08:00 am to 09:30 am
Panchompoo Wisittanawat	ST7:SC-Papers-Culturally & Socially Responsive Pedagogy - 04/02/2019 10:00 am to 11:30 am
Patrice Potvin	ST2:SC-Papers-Science Learning Outside of the Classroom - 04/03/2019 01:30 pm to 03:00 pm
Patricia J. Friedrichsen	ST1:SC-Papers-Eco systems and Natural Selection - 04/03/2019 10:30 am to 12:00 pm
Patricia Patrick	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm, ST6:RP-Intergenerational Science Learning: Possibilities Abound - 04/03/2019 10:30 am to 12:00 pm, ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Patricia Raab	ST14:RP-Adolescent anthropo- and ecocentrism: Qualitative conceptual views and quantitative relationships - 04/02/2019 10:00 am to 11:30 am
Patrick Brown	ST2:SC-Papers-Strategies for Overcoming Barriers to Science Learning - 04/02/2019 04:15 pm to 05:45 pm
Patrick Enkrott	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
Patrick J. Enderle	ST11:RP-From Sleeping Police to Socio-Material Entanglement: Rethinking the Racialization and Gendering of STEM Education Practices - 03/31/2019 04:20 pm to 05:50 pm, ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Patrick Killion	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Patrick S. Smith	ST11: Unequal Distribution of Educational Resources for K-12 Science Instruction - 04/02/2019 10:00 am to 11:30 am, ST15:RP-The Status of K-12 Science Education: Obstacles and Progress Toward the Vision of the NGSS - 04/02/2019 04:15 pm to 05:45 pm
Patti Brosnan	ST7:SC-Papers-Culturally & Socially Responsive Pedagogy - 04/02/2019 10:00 am to 11:30 am
Paul Blowers	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Paul Conway	ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm
Paul Horwitz	ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Paul Le	ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm, ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am
Paul M. Beardsley	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm
Paul N. Iwuanyanwu	ST7:SC-Papers-Professional Identity & Self-Efficacy - 04/02/2019 08:00 am to 09:30 am
Paulette Vincent-Ruz	ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Pauline W. U. Chinn	ST16:AS-Science Educators Creating and Sustaining Collective Activism: Implications for Research and Practice - 03/31/2019 04:20 pm to 05:50 pm, ST16:AS-Creating and sustaining collective activism: The case of sharing indigenous science knowledge, education and research - 04/01/2019 11:15 am to 12:45 pm, ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm
Peggy J. Trygstad	ST11: Unequal Distribution of Educational Resources for K-12 Science Instruction - 04/02/2019 10:00 am to 11:30 am, ST15:RP-The Status of K-12 Science Education: Obstacles and Progress Toward the Vision of the NGSS - 04/02/2019 04:15 pm to 05:45 pm
Pei-Zhen Xia	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am, ST6:SC-Papers- Informal STEM Education Professionals - 04/02/2019 10:00 am to 11:30 am
Perihan Akman	ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm

Peter Dekkers	ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Peter Reinhold	ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm
Peter Rillero	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm
Peter S. Garik	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Peter White	ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Peter Y Chin	ST7:SC-Papers-Technology Enhanced Pedagogy - 04/03/2019 01:30 pm to 03:00 pm
Petra Kranzfelder	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm, ST5:SC-Papers-Students' problem solving and design - 04/02/2019 02:30 pm to 04:00 pm
Phil Brucat	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Philip Bell	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm
Philip Hernandez	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Philip L. Bell	ST16:AS-Achieving More Powerful Research Impacts Through Dissemination and Engagement with Varied Audiences - 04/01/2019 09:30 am to 11:00 am, ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm, ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am, ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm, ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Philip Sadler	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
Phillip A. Boda	ST11: Disability Studies in (Science) Education as a Framework for Equity and Action - 04/01/2019 09:30 am to 11:00 am, ST11:RP-Culturally relevant virtual reality learning: Bridging cultures, content, and contexts - 04/01/2019 11:15 am to 12:45 pm, ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm
Phyllis H. Pennock	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Phyllis Katz	ST6:RP-Intergenerational Science Learning: Possibilities Abound - 04/03/2019 10:30 am to 12:00 pm
Pnina Steinberger	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am, ST2:SC-Papers-Interactions in the STEM context - 04/03/2019 01:30 pm to 03:00 pm
Pooneh Sabouri	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm
Preeti Gupta	ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Qingna Jin	ST2:SC-Papers-Argumentation in the Science Classroom - 04/01/2019 01:15 pm to 02:45 pm
Qinyun Lin	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Qiong Fu	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am
Rachael Tawbush	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Rachel Askew	ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Rachel Dickler	ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Rachel Rosanne Eidelman	ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am
Rachelle Tsachor	ST2:RP-Representations, Scientific Knowledge, and Identity Construction: Minoritized Students and Science - 03/31/2019 04:20 pm to 05:50 pm
Radu Bogdan Toma	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm
Rahmi Q. Aini	ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am
Rainier Barrett	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm
Raj Pandya	ST16:AS-Viewing Collective Activism Through the Lenses of Critical Science Education Research - 04/02/2019 02:30 pm to 04:00 pm

Rajendra Chattergoon	ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
Ramon B Goings	ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African American Learners - 04/02/2019 08:00 am to 09:30 am
Ramya Sivaraj	ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am
Rand Alqirem	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Randy K. Yerrick	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
Randy L. Bell	ST13:SC-Papers-Nature of Engineering - 04/01/2019 09:30 am to 11:00 am, ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Randy McGinnis	ST7:RP-Exploring the Integration of Computational Thinking in a Preservice Elementary Science Methods Course: Multiple Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Ranu Roy	ST9:SC-Papers-Reflective Practices for Instructors Inside and Outside of Classrooms - 03/31/2019 02:40 pm to 04:10 pm
Ratrapee Techawitthayachinda	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm, ST2:SC-Papers-Argumentation in the Science Classroom - 04/01/2019 01:15 pm to 02:45 pm
Raul Orduna Picon	ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm
Ravinder Koul	ST16:AS-Learn about Elections & Get Involved - 04/01/2019 01:15 pm to 02:45 pm
Ravit Golan Duncan	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm, ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm, ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Razan H. Nouredin	ST10:SC-Papers-Evolution and cultural understanding - 04/02/2019 10:00 am to 11:30 am
Rea Lavi	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Rebeca A Grysko	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm
Rebecca D. Swanson	ST6:SC-Papers-Informal STEM Education Professionals - 04/02/2019 10:00 am to 11:30 am
Rebecca Eddy	ST8:SC-Papers-Teacher Leadership and Science Professional Development - 03/31/2019 04:20 pm to 05:50 pm
Rebecca Konz	ST8:RP-Social Network-based Investigations of Teacher Communities of Practice and Professional Persistence. - 04/01/2019 09:30 am to 11:00 am
Rebecca Kotler	ST2:RP-Representations, Scientific Knowledge, and Identity Construction: Minoritized Students and Science - 03/31/2019 04:20 pm to 05:50 pm
Rebecca L. Matz	ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am, ST5:SC-Papers-Faculty adoption of teaching innovations - 04/03/2019 01:30 pm to 03:00 pm
Rebecca Quintana	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm
Rebecca Stanley	ST2:SC-Papers-STEM in the Secondary Setting - 04/03/2019 08:00 am to 09:30 am
Rebecca Vieyra	ST12: Disentangling Coding in Secondary School Science: Contexts, Interfaces and Assessments - 04/02/2019 02:30 pm to 04:00 pm
Rebecca Woodard	ST2:RP-Representations, Scientific Knowledge, and Identity Construction: Minoritized Students and Science - 03/31/2019 04:20 pm to 05:50 pm
Rebecca Lowenhaupt	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Regina Kelly	ST13: Emergent Research using the Family Resemblance Approach to Nature of Science in Science Education - 04/03/2019 10:30 am to 12:00 pm
Regina Suriel	ST16:AS-Learn about Elections & Get Involved - 04/01/2019 01:15 pm to 02:45 pm
Reina M. Fujii	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Remy Dou	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Renata P Orofino	ST2:SC-Papers-Argumentation in the Science Classroom - 04/01/2019 01:15 pm to 02:45 pm
Renata Reis Pereira	ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm
Rene Toerien	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Renee M.R. Moran	ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm

Renee S. Schwartz	ST4:SC-Papers-Assessment in Middle and High School - 03/31/2019 04:20 pm to 05:50 pm, ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Richard Cohen	ST5:SC-Papers-Students' persistence and motivation - 03/31/2019 02:40 pm to 04:10 pm
Richard Pollenz	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Richard R. Sudweeks	ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm
Richelle Teeling-Smith	ST12: Disentangling Coding in Secondary School Science: Contexts, Interfaces and Assessments - 04/02/2019 02:30 pm to 04:00 pm
Rob Hayes	ST2:RP-Eliciting and Supporting Students' Doing Science in School - 04/02/2019 08:00 am to 09:30 am
Robbin Riedy	ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm
Robert E. Kagumba	ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm
Robert Javonillo	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Robert L McKay	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Robert M. Talbot	ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm
Robert T. Oertli	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm, ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am
Robyn E. Tornabene	ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am
Rodrigo Tapia	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Roger G. Tobin	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Roger Tormoehlen	ST8:SC-Papers-Secondary Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Rola Khishfe	ST13:SC-Papers-NOS in Books, Media and Context - 04/01/2019 11:15 am to 12:45 pm
Ron Fried	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm, ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Ron Gray	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm, ST7:SC-Papers- ambitious Science Teaching - 04/01/2019 01:15 pm to 02:45 pm, ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm, ST2:SC-Papers-STEM in the Secondary Setting - 04/03/2019 08:00 am to 09:30 am
Rona M. Robinson-Hill	ST16:AS-African Diasporic Science Education: Teaching and Learning Through Activism - 04/02/2019 10:00 am to 11:30 am
Ronald S. Hermann	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm
Roni M Ellington	ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African american Learners - 04/02/2019 08:00 am to 09:30 am
Rosemary Russ	ST2:RP-Eliciting and Supporting Students' Doing Science in School - 04/02/2019 08:00 am to 09:30 am
Roshan Lamichhane	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm, ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm
Ross H. Nehm	ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm, ST10:SC-Papers-Evolution and cultural understanding - 04/02/2019 10:00 am to 11:30 am, ST10:SC-Papers-Evolution and genetics - 04/03/2019 08:00 am to 09:30 am, ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Ross Nehm	ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Rotem Trachtenberg	ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm
Rouhollah Aghasaleh	ST11:RP-From Sleeping Police to Socio-Material Entanglement: Rethinking the Racialization and Gendering of STEM Education Practices - 03/31/2019 04:20 pm to 05:50 pm, ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am, ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Roxanne M. Hughes	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm

Roya Heydari	ST10:SC-Papers-Evolution and cultural understanding - 04/02/2019 10:00 am to 11:30 am
Rüdiger Tiemann	ST10:SC-Papers-Modeling and systems thinking - 03/31/2019 02:40 pm to 04:10 pm
Russell Swinburne Romine	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Rutuja Mahajan	ST10:SC-Papers-Evolution and cultural understanding - 04/02/2019 10:00 am to 11:30 am
Ryan Dunk	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am
Ryan L. Stowe	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Ryan Nixon	ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm
Ryan Pigman	ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm
Ryan S. Nixon	ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Ryan Summers	ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm, ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Sabine Fechner	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm, ST1:SC-Papers-Concepts of chemical phenomena - 04/02/2019 04:15 pm to 05:45 pm
Sabine Meister	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm, ST1:SC-Papers-Eco systems and Natural Selection - 04/03/2019 10:30 am to 12:00 pm
Sabrina G. De Los Santos	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Sabrina Grossman	ST10:RP-Promoting Sustainability Through Research-Practice Partnerships - 04/02/2019 08:00 am to 09:30 am
Sadia Shaukat	ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Sadik Bulut	ST2:SC-Papers-Motivation - 04/01/2019 09:30 am to 11:00 am
Sae Yeol Yoon	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Sagal Mohammed	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Sage Andersen	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am, ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm, ST3:SC-Papers-Equitable Teaching & Diverse Learners - 04/03/2019 10:30 am to 12:00 pm
Saiqa Azam	ST4:SC-Papers-Teacher Knowledge and Professional Learning in Secondary Settings - 04/01/2019 11:15 am to 12:45 pm, ST7:SC-Papers-Professional Identity & Self-Efficacy - 04/02/2019 08:00 am to 09:30 am, ST16: Creating and Sustaining Collective Activism through Science Education Research - 04/03/2019 01:30 pm to 03:00 pm
Salem Metzger	ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Sally Crissman	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Sam Evans	ST8:SC-Papers-Issues of Equity and Diversity Related to Teacher Learning - 04/02/2019 04:15 pm to 05:45 pm
Sam Mejias	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Samala Lewis	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Samantha R. Fowler	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Sameer Honwad	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Sameer M. Dallahseh	ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Sami Kahn	ST11: Disability Studies in (Science) Education as a Framework for Equity and Action - 04/01/2019 09:30 am to 11:00 am, ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm
Samia Khan	ST7:SC-Papers-Model-Based Instruction & Lesson Planning - 04/01/2019 09:30 am to 11:00 am
Samuel J. Polizzi	ST8:RP-Social Network-based Investigations of Teacher Communities of Practice and Professional Persistence. - 04/01/2019 09:30 am to 11:00 am
Samuel Severance	ST8:SC-Papers-Considerations for Curricular and Materials Decisions - 04/01/2019 01:15 pm to 02:45 pm, ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am



Sandhya Krishnan	ST4: Ways of Thinking Influencing the Teaching and Learning of Evolution - 04/02/2019 04:15 pm to 05:45 pm, ST3:SC-Papers-Elementary Learning Environments - 04/03/2019 08:00 am to 09:30 am
Sanlyn Buxner	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am, ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Saouma B. Boujaoude	ST16:AS-Learn about Elections & Get Involved - 04/01/2019 01:15 pm to 02:45 pm, ST10:SC-Papers-Evolution and cultural understanding - 04/02/2019 10:00 am to 11:30 am, ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am
Sara Cooper	ST10: Reconceptualizing Alignment for NGSS Assessments - 03/31/2019 04:20 pm to 05:50 pm
Sara E. Rimm-Kaufman	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm, ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am
Sara E. Wilmes	ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm, ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am
Sara Heredia	ST7:RP-Making and Preservice Teachers: Exploring Designs for Supporting the Integration of Making in STEM Classrooms - 03/31/2019 04:20 pm to 05:50 pm, ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm, ST8:SC-Papers-Authentic and Environmental Contexts for Teaching - 04/03/2019 10:30 am to 12:00 pm
Sara J. Dozier	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm
Sara J. Lacy	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Sara P. Raven	ST7:SC-Papers-Model-Based Instruction & Lesson Planning - 04/01/2019 09:30 am to 11:00 am, ST16: Creating and Sustaining Collective Activism through Science Education Research - 04/03/2019 01:30 pm to 03:00 pm
Sara Salloum	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm, ST3:SC-Papers-Elementary Learning Environments - 04/03/2019 08:00 am to 09:30 am
Sara Wilmes	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Sarah C. Boylen	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm
Sarah Cannon	ST7:SC-Papers-Pedagogical Content Knowledge of Preservice Teachers - 04/03/2019 10:30 am to 12:00 pm
Sarah Glassman	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Sarah J. Carrier	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm, ST3:SC-Papers-Elementary Learning Environments - 04/03/2019 08:00 am to 09:30 am
Sarah J. Fick	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm, ST1: Clarifying the Role(s) of the Crosscutting Concepts in Science and Engineering Learning - 04/02/2019 10:00 am to 11:30 am, ST7:SC-Papers-Practice-Based Curriculum Design - 04/02/2019 04:15 pm to 05:45 pm
Sarah Lanci	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm
Sarit Barzilai	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm
Sascha M. Schmeling	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Satabdi Basu	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am, ST3:SC-Papers-Engineering in the Elementary Classroom - 04/02/2019 04:15 pm to 05:45 pm
Sathyam D. Sheoratan	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm
Saundra L. Shillingstad	ST7:SC-Papers-Elementary Preservice Teachers' Science & Engineering Self-Efficacy - 03/31/2019 04:20 pm to 05:50 pm
Scott A. Pattison	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm
Scott Balicki	ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Scott Byrd	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Scott Cohen	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Scott McDonald	ST7:RP-Making and Preservice Teachers: Exploring Designs for Supporting the Integration of Making in STEM Classrooms - 03/31/2019 04:20 pm to 05:50 pm, ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm, ST7: Toward a Coherent Vision of ambitious Science Teacher Preparation - 04/03/2019 10:30 am to 12:00 pm, ST8: ambitious Science Teacher Learning Across the Professional Continuum - 04/03/2019 01:30 pm to 03:00 pm

Sean Lander	ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Sean P. Goggins	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am, ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Seema Rivera	ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am
Sehoya Cotner	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Selcen Guzey	ST16:AS-Integrating Science and Engineering with a Focus on Evidence of Student Learning - 04/02/2019 08:00 am to 09:30 am, ST2:SC-Papers-Thinking Processes - 04/02/2019 08:00 am to 09:30 am
Selin Akgün	ST5:SC-Papers-Students' conceptual understanding and beliefs - 04/01/2019 09:30 am to 11:00 am, ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm, ST13: Emergent Research using the Family Resemblance Approach to Nature of Science in Science Education - 04/03/2019 10:30 am to 12:00 pm
Selina Bartels	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Selina L. Bartels	ST16:AS-Professional Citizenship: Lifetime commitments and rewards - 04/01/2019 09:30 am to 11:00 am, ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm
Senay Purzer	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm, ST16:AS-Integrating Science and Engineering with a Focus on Evidence of Student Learning - 04/02/2019 08:00 am to 09:30 am, ST1:SC-Papers-Discourse and Decision-Making in Scientific Inquiry - 04/02/2019 02:30 pm to 04:00 pm, ST10:SC-Papers-Integrating STEM disciplines - 04/03/2019 10:30 am to 12:00 pm
Senetta Bancroft	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Senetta F. Bancroft	ST16: Creating and Sustaining Collective Activism through Science Education Research - 04/03/2019 01:30 pm to 03:00 pm
Seungho Maeng	ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Shadi Asakle	ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am, ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am, ST6:RP-Intergenerational Science Learning: Possibilities Abound - 04/03/2019 10:30 am to 12:00 pm
Shahar Abramovitch	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm, ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Shakhnoza Kayumova	ST11:RP-From Sleeping Police to Socio-Material Entanglement: Rethinking the Racialization and Gendering of STEM Education Practices - 03/31/2019 04:20 pm to 05:50 pm, ST16:AS-The Role of Science Education in a Changing World: Identity, Language, and Equity - 04/03/2019 08:00 am to 09:30 am
Shakil Regmi	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Shalaunda Reeves	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Shana A Sandhaus	ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Shannon G. Davidson	ST8:SC-Papers-Teacher Affect, Agency, and Identity - 04/03/2019 10:30 am to 12:00 pm
Shannon L. Navy	ST8:SC-Papers-Teachers' Uptake of Inquiry-Based Practices - 04/02/2019 02:30 pm to 04:00 pm
Shannon Navy	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm
Shari J. Metcalf	ST12:RP-Student Use of Evidence in Multi-User Virtual and Augmented Reality-Based Science Curricula: Examples from EcoLearn - 04/02/2019 08:00 am to 09:30 am
Sharon J. Lynch	ST16:AS-Achieving More Powerful Research Impacts Through Dissemination and Engagement with Varied Audiences - 04/01/2019 09:30 am to 11:00 am
Sharon Nelson-Barber	ST16:AS-Creating and sustaining collective activism: The case of sharing indigenous science knowledge, education and research - 04/01/2019 11:15 am to 12:45 pm, ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Sharona T. Levy	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST12: Disentangling Coding in Secondary School Science: Contexts, Interfaces and Assessments - 04/02/2019 02:30 pm to 04:00 pm, ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am
Sheila A. Homburger	ST10: Developing High School Biology Curriculum Materials that Support NGSS Teaching and Learning: Opportunities and Challenges - 04/01/2019 11:15 am to 12:45 pm

Shelby Hatch	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Sheron L. Mark	ST4:SC-Papers-Assessment in Middle and High School - 03/31/2019 04:20 pm to 05:50 pm, ST16: Creating and Sustaining Collective Activism through Science Education Research - 04/03/2019 01:30 pm to 03:00 pm
Sherry A. Southerland	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm, ST11:SC-Papers-Working to Improve All Students' Engagement and Learning in Science - 03/31/2019 04:20 pm to 05:50 pm, ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am, ST8:SC-Papers-Teacher Affect, Agency, and Identity - 04/03/2019 10:30 am to 12:00 pm
Sherry Hsi	ST1: Uncertainty Manifested within Science and Computational Thinking Practices - 04/02/2019 02:30 pm to 04:00 pm
Sheryl L. McGlamery	ST7:SC-Papers-Elementary Preservice Teachers' Science & Engineering Self-Efficacy - 03/31/2019 04:20 pm to 05:50 pm, ST7:SC-Papers- ambitious Science Teaching - 04/01/2019 01:15 pm to 02:45 pm
Shirley R. Steinberg	ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm
Shirly Avargil	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm, ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm, ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Shruti Bathia	ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Shuai Wang	ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Shu-Fen Lin	ST1:SC-Papers-Learning progressions - 04/03/2019 08:00 am to 09:30 am
Shulamit Kapon	ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm, ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Sibel Erduran	ST7:SC-Papers-Nature of Science & edTPA - 04/02/2019 02:30 pm to 04:00 pm, ST13: Emergent Research using the Family Resemblance Approach to Nature of Science in Science Education - 04/03/2019 10:30 am to 12:00 pm
Sina J. Fakoyede	ST11:SC-Papers-Social Justice Curriculum and Agency in Science Education - 04/01/2019 01:15 pm to 02:45 pm
Siqi Li	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am
So Lim Kim	ST11: Leveraging Youth's Diverse Backgrounds to Broaden Participation in STEM through Invention Education - 04/03/2019 08:00 am to 09:30 am
Soo Hyeon Kim	ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am, ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Soon Chun Lee	ST8:SC-Papers-Characteristics of Successful Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Soonhye Park	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm, ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am, ST7:SC-Papers-Pedagogical Content Knowledge of Preservice Teachers - 04/03/2019 10:30 am to 12:00 pm, ST5:SC-Papers-Faculty adoption of teaching innovations - 04/03/2019 01:30 pm to 03:00 pm
Sophia (Sun Kyung) Jeong	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
Soraya Hamed	ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm
Spela Godec	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Stacey Britton	ST16:AS-Creating and sustaining collective activism: The case of sharing indigenous science knowledge, education and research - 04/01/2019 11:15 am to 12:45 pm, ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm
Stacey L. Carpenter	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm, ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Stacy Olitsky	ST11:SC-Papers-Reconceptualizing Representation in Science Education: Experiences of Teachers and Students of Color - 04/01/2019 11:15 am to 12:45 pm
Stanley M. Lo	ST5:SC-Papers-Insights into faculty teaching - 03/31/2019 02:40 pm to 04:10 pm, ST16:AS-Network Science Approaches to Science Education Research Problems - 04/01/2019 11:15 am to 12:45 pm

Stefan Anthofer	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm
Stefan Sorge	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
Stefanie A. Wind	ST4:SC-Papers-Assessment in Middle and High School - 03/31/2019 04:20 pm to 05:50 pm
Stefanie Marshall	ST16:AS-Achieving More Powerful Research Impacts Through Dissemination and Engagement with Varied Audiences - 04/01/2019 09:30 am to 11:00 am, ST10:RP-Achieving Three-dimensional Learning in Diverse Classrooms - 04/02/2019 10:00 am to 11:30 am
Stephanie B. Wortel-London	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Stephanie Couch	ST11: Leveraging Youth's Diverse Backgrounds to Broaden Participation in STEM through Invention Education - 04/03/2019 08:00 am to 09:30 am
Stephanie Eldridge	ST3:SC-Papers-Elementary Learning Environments - 04/03/2019 08:00 am to 09:30 am
Stephanie Hathcock	ST7:SC-Papers-Professional Identity & Self-Efficacy - 04/02/2019 08:00 am to 09:30 am
Stephanie M Werner	ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am
Stephanie P. Toro	ST13:SC-Papers-NOS, SSI and Evolution - 03/31/2019 02:40 pm to 04:10 pm
Stephanie Rafanelli	ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm
Stephen A. Malcolm	ST8:SC-Papers-Complex Topics and Teacher Learning - 04/03/2019 08:00 am to 09:30 am
Stephen B. Witzig	ST8:SC-Papers-Professional Learning Communities - 04/01/2019 11:15 am to 12:45 pm, ST8:SC-Papers-Authentic and Environmental Contexts for Teaching - 04/03/2019 10:30 am to 12:00 pm
Stephen Burton	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm
Stephen R. Burgin	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm, ST4:SC-Papers-The Role of Teacher Affect and Beliefs in Secondary Science - 04/01/2019 09:30 am to 11:00 am
Steve Schneider	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm, ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Steven Kerlin	ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm
Steven Roderick	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am
Su Gao	ST4:SC-Papers-The Role of Teacher Affect and Beliefs in Secondary Science - 04/01/2019 09:30 am to 11:00 am, ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm
Sue Bechard	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Sugat Dabholkar	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am
Sulaiman M. Al-Balushi	ST2:SC-Papers-Student Argumentation - 04/02/2019 08:00 am to 09:30 am
Sule Aksoy	ST5:SC-Papers-Curricular innovations for student learning - 04/03/2019 08:00 am to 09:30 am
Süleyman Tursucu	ST2:SC-Papers-Issues in Physics Learning - 04/02/2019 10:00 am to 11:30 am
Sunday Banjoko	ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am
Sungmin Moon	ST5:SC-Papers-Student achievement, attitudes, engagement - 04/02/2019 04:15 pm to 05:45 pm
Sunni Newton	ST10:RP-Promoting Sustainability Through Research-Practice Partnerships - 04/02/2019 08:00 am to 09:30 am
Suparna Sinha	ST4:SC-Papers-STEM Instruction in Secondary Settings - 03/31/2019 02:40 pm to 04:10 pm
Susan Bitetti	ST12:SC-Papers-Technology Efficacy, Beliefs, and Expectations - 04/01/2019 01:15 pm to 02:45 pm
Susan C. Eriksson	ST7:SC-Papers-Preservice Teacher PCK & Modeling - 03/31/2019 02:40 pm to 04:10 pm
Susan De La Paz	ST7:SC-Papers-Scaffolding for Learners with Exceptionalities - 04/01/2019 11:15 am to 12:45 pm, ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Susan Kirch	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm
Susan Lynds	ST14:SC-Papers-Inspiring Environmental Learning through Informal Science Education - 04/03/2019 01:30 pm to 03:00 pm

Susan Yoon	ST16:AS-How to Get Your Research Published in Science Education Journals - 03/31/2019 02:40 pm to 04:10 pm, ST8:SC-Papers-Authentic and Environmental Contexts for Teaching - 04/03/2019 10:30 am to 12:00 pm
Susann Pinter	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Susanna E. Hapgood	ST3:SC-Papers-Equitable Teaching & Diverse Learners - 04/03/2019 10:30 am to 12:00 pm
Susanne Wessnigk	ST10:SC-Papers-Assorted topics in physics - 04/02/2019 04:15 pm to 05:45 pm, ST1:SC-Papers-Concepts in Physics - 04/03/2019 01:30 pm to 03:00 pm
Susie Cohen	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
Suzanne Perin	ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am, ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm
Tahmina Hoq	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Takeshi Terada	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Takuya Matsuura	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am
Tali Tal	ST6: Citizen Science in STEM Education: Linking society, Scientists and Education Systems - 04/01/2019 01:15 pm to 02:45 pm, ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm, ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am
Tallie Wetzel	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Tamara J. Moore	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Tamara J. Smolek	ST10: Reconceptualizing Alignment for NGSS Assessments - 03/31/2019 04:20 pm to 05:50 pm
Tamecia R. Jones	ST10:SC-Papers-Engineering design and assessment - 03/31/2019 04:20 pm to 05:50 pm
Tanner Vea	ST11:RP-Reimagining STEM Learning Through Centering Families' Sense-Making Practices - 04/03/2019 01:30 pm to 03:00 pm
Tanzimul Ferdous	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Tara McGill	ST10:RP-Supporting Purposeful Sensemaking in Science Classrooms - 04/02/2019 04:15 pm to 05:45 pm
Ted Britton	ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Tejaswini S. Dalvi	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
Teresa Shume	ST11: Disability Studies in (Science) Education as a Framework for Equity and Action - 04/01/2019 09:30 am to 11:00 am
Terrance Burgess	ST11:SC-Papers-Reconceptualizing Representation in Science Education: Experiences of Teachers and Students of Color - 04/01/2019 11:15 am to 12:45 pm
Terrell R. Morton	ST11:SC-Papers-Critical Examination of Science Experiences at the Intersections of Race and Gender - 03/31/2019 04:20 pm to 05:50 pm
Terri Tinnell	ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Thomas A. Kameronski	ST16:AS-Graduate Student Research Symposium - 04/02/2019 08:00 am to 09:30 am
Thomas Hammond	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am
Thomas J. McKenna	ST8:SC-Papers-Characteristics of Successful Teacher Learning - 04/02/2019 08:00 am to 09:30 am
Thomas R. Tretter	ST4:SC-Papers-Assessment in Middle and High School - 03/31/2019 04:20 pm to 05:50 pm, ST10:SC-Papers-Three-dimensional assessments and curriculum design - 04/02/2019 08:00 am to 09:30 am
Tianlong Zu	ST10:SC-Papers-Measurement and validity - 04/03/2019 01:30 pm to 03:00 pm
Tianying Sun	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am
Tiffany L Childress Price	ST4:RP-Learning from Activists and Organizers to Make Science Education a Catalyst for Social Change - 04/02/2019 02:30 pm to 04:00 pm
Tiffanyrose Sikorski	ST15:SC-Papers-Designing and Implementing Science Standards - 04/02/2019 02:30 pm to 04:00 pm
Tina B. Carter	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am

Tina Cheuk	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm, ST4:SC-Papers-Disciplinary Literacy in Middle and High School - 04/03/2019 10:30 am to 12:00 pm
Tina Grotzer	ST12:RP-Student Use of Evidence in Multi-User Virtual and Augmented Reality-Based Science Curricula: Examples from EcoLearn - 04/02/2019 08:00 am to 09:30 am, ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part II - 04/02/2019 10:00 am to 11:30 am
Tina Vo	ST7:SC-Papers-Model-Based Instruction & Lesson Planning - 04/01/2019 09:30 am to 11:00 am, ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm
Tobias Irish	ST8:SC-Papers-Supporting the Exploration of Computational Thinking and Data - 04/02/2019 10:00 am to 11:30 am
Todd Campbell	ST6:SC-Papers-Diversity and Equity in Informal STEM Education - 04/02/2019 02:30 pm to 04:00 pm
Tom Bielik	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am, ST7:SC-Papers-STEM Design & Competencies - 04/02/2019 08:00 am to 09:30 am
Tony Sacchitello	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Tracy Harkins	ST14:SC-Papers-Empowered Environmental Education in the Classroom - 04/02/2019 04:15 pm to 05:45 pm
Tricia Serviss	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Troy D. Sadler	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am
Troy Sadler	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am, ST7:RP-Exploring the Integration of Computational Thinking in a Preservice Elementary Science Methods Course: Multiple Perspectives - 04/03/2019 01:30 pm to 03:00 pm, ST12:RP-Improving Science Teaching and Learning through Rigorous and Relevant Education Technology Interventions - 04/03/2019 08:00 am to 09:30 am, ST1:SC-Papers-Eco systems and Natural Selection - 04/03/2019 10:30 am to 12:00 pm
Tunde Owolabi	ST11:SC-Papers-At the Intersection of Culture and Community: Student and Family Science Learning - 04/02/2019 08:00 am to 09:30 am
Umit Aslan	ST1:SC-Papers-Eco systems and Natural Selection - 04/03/2019 10:30 am to 12:00 pm
Uri Wilensky	ST12:RP-Using Technology to Promote Students' Modeling Practice and Complex Systems Thinking - 04/01/2019 09:30 am to 11:00 am
Ursula M. Sexton	ST10:SC-Papers-Accessibility and equity - 04/02/2019 02:30 pm to 04:00 pm
Ute Harms	ST14:SC-Papers-Global Perspectives on Environmental Education and Sustainability - 04/03/2019 08:00 am to 09:30 am
Valerie K Otero	ST2:SC-Papers-Issues in Physics Learning - 04/02/2019 10:00 am to 11:30 am
Valerie Meier	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Vance J. Kite	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Vanessa Dodo Seriki	ST11: Using Race-Visible Pedagogy to Disrupt Persistent Inequities in the STEM Education of African american Learners - 04/02/2019 08:00 am to 09:30 am
Vasiliki Laina	ST2:SC-Papers-Epistemic Agency and Tools - 04/03/2019 10:30 am to 12:00 pm
Vassie Ware	ST5:SC-Papers-Students' experiences with research activities - 04/01/2019 01:15 pm to 02:45 pm
Vassiliki Zygouris-Coe	ST7:SC-Papers-Integration of Language & Science for Diverse Learners - 04/01/2019 01:15 pm to 02:45 pm
Venkat Rao Vishnumolakala	ST2:SC-Papers-Argumentation in the Science Classroom - 04/01/2019 01:15 pm to 02:45 pm, ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm, ST5:SC-Papers-Faculty adoption of teaching innovations - 04/03/2019 01:30 pm to 03:00 pm
Veronica L. Cavera	ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Veronica McGowan	ST4:SC-Papers-The Role of Teacher Affect and Beliefs in Secondary Science - 04/01/2019 09:30 am to 11:00 am, ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm, ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Vesal Dini	ST2:RP-Eliciting and Supporting Students' Doing Science in School - 04/02/2019 08:00 am to 09:30 am

Vicente A. Talanquer	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Viji Sittler	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Vikram Kapila	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Vince Sipkovich	ST1:SC-Papers-Analyzing Scientific Phenomena - 04/02/2019 10:00 am to 11:30 am
Vinit Vaghani	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Virginia Vitiello	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm
Vishodana Thamocharan	ST6:SC-Papers-STEM Identities and Aspirations - 04/03/2019 01:30 pm to 03:00 pm
Waltheraminger	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm
Wanjing Ma	ST10:SC-Papers-Supporting teachers in development, assessment, and instruction - part I - 04/01/2019 11:15 am to 12:45 pm
Wendy Wakefield	ST3:RP-EExamining teacher learning of pedagogical reasoning and practices to support elementary engineering design - 03/31/2019 02:40 pm to 04:10 pm
Will Romine	ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am
William A. Sandoval	ST8:SC-Papers-Attending to Student Talk - 04/01/2019 09:30 am to 11:00 am
William B. Davis	ST5:SC-Papers-Students' persistence and motivation - 03/31/2019 02:40 pm to 04:10 pm
William E. Lindsay	ST2:SC-Papers-Issues in Physics Learning - 04/02/2019 10:00 am to 11:30 am
William F. Mccomas	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm, ST4:SC-Papers-The Role of Teacher Affect and Beliefs in Secondary Science - 04/01/2019 09:30 am to 11:00 am, ST13:SC-Papers-History of Science, Students, and Teachers - 04/01/2019 11:15 am to 12:45 pm
William J. Farina	ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am, ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am
William L. Romine	ST10:SC-Papers-Evolution and cultural understanding - 04/02/2019 10:00 am to 11:30 am
William Matthew Reynolds	ST7:SC-Papers-Pedagogical Content Knowledge of Preservice Teachers - 04/03/2019 10:30 am to 12:00 pm
William R. Penuel	ST10: Reconceptualizing Alignment for NGSS Assessments - 03/31/2019 04:20 pm to 05:50 pm, ST16:AS-Achieving More Powerful Research Impacts Through Dissemination and Engagement with Varied Audiences - 04/01/2019 09:30 am to 11:00 am, ST9:RP-Exploring the Use of Practical Measures to Support Improvement in Science Education - 04/01/2019 11:15 am to 12:45 pm, ST16:AS-Viewing Collective Activism Through the Lenses of Critical Science Education Research - 04/02/2019 02:30 pm to 04:00 pm, ST10:RP-Supporting Purposeful Sensemaking in Science Classrooms - 04/02/2019 04:15 pm to 05:45 pm, ST10:RP-Something like a Phenomenon: Identifying Phenomena to Support the Development of NGSS-aligned Curricula and Assessment - 04/03/2019 10:30 am to 12:00 pm
William W. Cobern	ST13: Enhancing Nature of Science (NOS) Instruction Through Research-Guided Practices - 03/31/2019 02:40 pm to 04:10 pm, ST13:SC-Papers-NOS and Scientific Literacy - 03/31/2019 04:20 pm to 05:50 pm
Xavier J. Monroe	ST10:SC-Papers-Students' STEM interests and pathways - 04/01/2019 01:15 pm to 02:45 pm, ST11:SC-Papers-Understanding Science Teacher and Student Identity - 04/03/2019 01:30 pm to 03:00 pm
Xiaoming Zhai	ST2:SC-Papers-Contextualized Science Learning - 04/01/2019 11:15 am to 12:45 pm
Xiaoyu Shi	ST10:SC-Papers-Scientific literacy and reasoning - 04/01/2019 09:30 am to 11:00 am
Xiufeng Liu	ST11:SC-Papers-Critical Examination of Science Experiences at the Intersections of Race and Gender - 03/31/2019 04:20 pm to 05:50 pm, ST12:SC-Papers-Virtual and location-based education through technology - 04/02/2019 10:00 am to 11:30 am
Ya	ST5:SC-Papers-Investigating students' systems thinking - 04/02/2019 08:00 am to 09:30 am
Yael Barel-Ben David	ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Yael Kesner-Baruch	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm
Yael Shwartz	ST12:SC-Papers-Technology in Next Generation Learning Laboratories - 04/02/2019 08:00 am to 09:30 am
Yael Wyner	ST14:SC-Papers-Teachers and Engaging Environmental Education - 04/03/2019 10:30 am to 12:00 pm

Yaela N Golumbic	ST6: Citizen Science in STEM Education: Linking society, Scientists and Education Systems - 04/01/2019 01:15 pm to 02:45 pm, ST6:SC-Papers-Public Science Learning and Literacy - 04/01/2019 09:30 am to 11:00 am
Yang Yang	ST11:SC-Papers-Critical Examination of Science Experiences at the Intersections of Race and Gender - 03/31/2019 04:20 pm to 05:50 pm
Yang Zhang	ST1:SC-Papers-Diverse Instructional Approaches - 03/31/2019 02:40 pm to 04:10 pm
Yangsook Kim	ST3:RP-EExamining teacher learning of pedagogical reasoning and practices to support elementary engineering design - 03/31/2019 02:40 pm to 04:10 pm
Yann Shiou Ong	ST2:SC-Papers-Small Groups and Peer Feedback - 04/02/2019 02:30 pm to 04:00 pm
Yara Shaban	ST2:RP-Eliciting and Supporting Students' Doing Science in School - 04/02/2019 08:00 am to 09:30 am
Yasemin Ozdem-Yilmaz	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm
Yejun Bae	ST2:RP-Outcomes of Engagement in Immersive Argument-based Professional Development - 04/01/2019 11:15 am to 12:45 pm
Yi Ting Pan	ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm
Yicong Zhu	ST8:RP-Social Network-based Investigations of Teacher Communities of Practice and Professional Persistence. - 04/01/2019 09:30 am to 11:00 am
Ying-Chih Chen	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm, ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am, ST2:SC-Papers-Argumentation in the Science Classroom - 04/01/2019 01:15 pm to 02:45 pm, ST16:AS-Embodying Collective Activism in Science Education Research: Philosophies, Praxis, and Pragmatics - 04/02/2019 04:15 pm to 05:45 pm, ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm
Yong Ju Jung	ST6: Leveraging resources to support engagement in informal science learning environments - 04/03/2019 08:00 am to 09:30 am
Yoon Ha Choi	ST6:RP-New frameworks for studying equity in informal STEM settings: Cross-cultural perspectives - 04/03/2019 08:00 am to 09:30 am
Yotah Koulagna	ST4:SC-Papers-Assessment in Middle and High School - 03/31/2019 04:20 pm to 05:50 pm
Young Ae Kim	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
YueJin Li	ST5:SC-Papers-Students' metacognition and agency - 04/03/2019 08:00 am to 09:30 am
Yu-Ning Huang	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am
Yuri B. Piedrahita	ST5:SC-Papers-Fostering students' argumentation and discourse - 03/31/2019 04:20 pm to 05:50 pm
Zachary A. McKinley	ST6: Illuminating Strategies that Support Science and Engineering Practices in Informal Settings - 04/02/2019 02:30 pm to 04:00 pm
Zahid Kisa	ST4:SC-Papers-Epistemic Foundations of Reform-based Teaching - 04/03/2019 08:00 am to 09:30 am
Zahra Hazari	ST11:SC-Papers-Exploring the Implications of Gender in the Enactment of Science Curriculum - 04/01/2019 09:30 am to 11:00 am
Zehavit Kohen	ST15: Choosing a Science Career: Self-Efficacy and Identity Perspectives - 04/03/2019 01:30 pm to 03:00 pm
Zemira Mevarech	ST10: Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies - 03/31/2019 02:40 pm to 04:10 pm
Zeynep Merve M. Oskay	ST4:SC-Papers-Science and Engineering Practices at the Secondary Level - 04/03/2019 01:30 pm to 03:00 pm
Zhigang Jia	ST5:SC-Papers-Development of TAs and preservice educators - 04/02/2019 10:00 am to 11:30 am
Zoe E. Buck Bracey	ST11:SC-Papers-Explorations in Teaching Science to Multilingual and Other Marginalized Learners - 04/01/2019 11:15 am to 12:45 pm, ST10:RP-Measuring Complex Constructs in Science Education: Applications of Automated Analysis - 04/02/2019 02:30 pm to 04:00 pm
Zoubeida R. Dagher	ST13:SC-Papers-International Perspectives on NOS - 03/31/2019 04:20 pm to 05:50 pm, ST13: Emergent Research using the Family Resemblance Approach to Nature of Science in Science Education - 04/03/2019 10:30 am to 12:00 pm
Zuway R. Hong	ST3:SC-Papers-Elementary Student Learning - 04/01/2019 09:30 am to 11:00 am, ST6:SC-Papers-Measuring and Explaining Impact - 04/01/2019 11:15 am to 12:45 pm, ST3:SC-Papers-Teaching in Elementary Classrooms - 04/02/2019 02:30 pm to 04:00 pm, ST2:SC-Papers-Identities, Self-Efficacy, and Engagement in Science - 04/03/2019 10:30 am to 12:00 pm