

SATURDAY, OCTOBER 13, 2012

7:30AM – 9:30AM CONFERENCE REGISTRATION Continental Breakfast PSC

8:30 – 9:00AM Impact of cross-cultural experiences in science education

Presentation	Session A	Session B
8:30AM – 9:00AM Room 237 PSC	<i>Transforming Science Teacher Preparation through Cross-Cultural Experiences: A Personal Narrative</i> Nathan Carnes, University of South Carolina	<i>Elementary Pre-Service Teacher Response to Viewing</i> Including Samuel Katie Brkich, Georgia Southern University
8:30AM – 9:00AM Room 238 PSC	<i>Exploring argumentation as a tool for developing middle school females' science identities</i> Tamra-Kay Francis, University of Tennessee, Knoxville	<i>Science and Language Acquisition for English Learners</i> Angela Cozart and Meta Van Sickle, College of Charleston

9:15AM–9:45AM: Digital technologies in science pedagogy & Innovation in science teacher education

Presentation	Session A	Session B
9:15AM – 9:45AM Room 237 PSC	<i>Constructing evolutionary trees from the observable to the abstract</i> Norman Thomson, University of Georgia, and Anna Scott, Athens Academy	<i>Examining students' use of iPads to support science content understanding in an introductory biology courses</i> Cynthia Deaton, Clemson University, Diana S. Ivankovic, Benjamin E. Deaton, & Frank A. Norris, Anderson University
9:15AM – 9:45AM Room 238 PSC	<i>Designing a Technology-enhanced Learning Unit for Knowledge Organization to Foster Collaborative Argumentation</i> Bahadir Namdar and Ji Shen, University of Georgia	<i>What is Science?: How Portal 2 Presents Science</i> , Logan Leslie, The University of Georgia

10:00AM – 10:30AM: Teacher candidate preparation best practices research

Presentation	Session A	Session B
10:00AM – 10:30AM Room 237 PSC	<i>Creating a New Experience of Science for Preservice Elementary Teachers</i> Marion Reeves, Georgia State University	<i>The Georgia State University Academy for Future Teachers and Its Impact on STEM Education</i> , Jan Nourollahi, Georgia State University and Christie Jarrett, Forsyth County School District
10:00AM – 10:30AM Room 238 PSC	<i>The Effects Lesson Study have on Science Teacher Efficacy and Quality Inquiry-Rich Lesson Planning in Pre-Service Teachers</i> ,	<i>Preservice Secondary Science Teachers' Professional Identities and Knowledge for Teaching</i> , Sara Raven,

	Elizabeth Mitchell, University of Mississippi	University of Georgia
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10:45AM – 11:15AM: Effective professional development for in-service teacher education

Presentation	Session A	Session B
10:45AM – 11:15AM Room 237 PSC	<i>Enhancing Science Teachers' Professional Learning through Authentic Research Experiences</i> , Cheryl A. McLaughlin and Bruce J. MacFadden, University of Florida	<i>How Fifth Grade Bilingual Students Use their Linguistic Resources to Participate in Science Learning</i> , Alma R. Stevenson, Georgia Southern University
10:45AM – 11:30AM Room 238 PSC	<i>Breaking Barriers and Borders: An International Virtual Science Fair Pilot</i> , W.C. Elmore, Macon State College, and S.A. Fleischer, Walworth Barbour American International School, Israel	
10:45AM – 11:15AM Room 212 PSC	Experiential Session: <i>'Save the Penguins' and 'Save the Sea Birds'</i> , Christine Schnittka, Auburn University	

11:30AM – 1:15PM LUNCHEON AND AWARDS 211 PSC Banquet Room

<p>President's Welcome Randy Spaid</p>
<p>SASTE Business Meeting</p> <p>Approval of 2011 Annual Meeting Minutes</p> <p>Secretary-Treasurer's Report Courtney Howard</p> <p>ASTE Regional Representative's Report Michael Dias</p> <p>Old Business: Approval of Revised By-laws, SASTE website</p> <p>New Business: Nomination and Election of 2014 President and Host Institution</p> <p>Adjourn Business Meeting</p>
<p>SASTE Awards Presentation and Awardee Comments</p> <p>Graduate Student Position Paper Award</p> <p>2012 Past President Service and Leadership Award – <i>Michael Mueller</i></p> <p>John Shrum Award - <i>Meta Van Sickle</i></p> <p>Deborah Tippins Mentor Award - <i>Tom Koballa</i></p> <p>Rod Nave Award - <i>George Dawson</i></p>

Keynote Speaker - Dr. Stuart Fleischer

Preview of SASTE 2013 - Georgia Southern University

Afternoon Sessions

1:30PM–2:00PM: Effective professional development for in–service teacher education

Presentation	Session A	Session B
1:30PM –2:00PM Room 237 PSC	<i>Practicing What We Teach</i> Charles Eick, Auburn University, Michael Dias, Kennesaw State University, and Laurie Brantley–Dias, Georgia State University	<i>Project ST3M: Expanding Teachers' Content and Pedagogical Content Knowledge through Problem–based Learning,</i> Charlease Kelly–Jackson, and Michelle Dean, Kennesaw State University
1:30PM –2:00PM Room 238 PSC	<i>Shifting pedagogical content knowledge: Structuring high–quality, comprehensive professional development to support changes in science teacher knowledge and practices</i> Rose Pringle, Jennifer Mesa, and Natalie King, University of Florida	<i>PCK Literature Review in Proposed Study</i> Donna Barrett, Georgia State University

2:00PM – 2:30PM: POSTER SESSION & Refreshment Break (Conference Foyer)

Inquiry–Based Teaching in the College Classroom The Nontraditional Student, Daniel Kiernan & Christine Lotter, The University of South Carolina

I.M.P.A.C.T: College Mentors in The Middle School

Teresa English, Alexander Brown, Michelle Furlong, and Samantha R. Fowler, Clayton State University

2:30PM – 3PM: Assessing Student Learning

Presentation	Session A	Session B
2:30PM – 3:00PM Room 237 PSC	<i>Student Conceptual Change About Climate Change,</i> Barry W. Golden, University of Tennessee, Knoxville	<i>Enhancing Pre–Service Science Teachers' Assessment Literacy Through Reflection: What do Pre–service Science Teachers Learn from Their Mentor's Questioning Practices?</i> Aydeniz, Mehmet, Adkinson, Bennett and Mobley, Monica, University of Tennessee
2:30PM – 3:00PM Room 238 PSC	<i>Alternative Forms of Data Analysis and Representation in Science Education Research</i> Sara Raven & Julianne A. Wenner, University of Georgia	<i>Using Anchor Items to Link Two Instruments for Assessing Undergraduate Students' Interdisciplinary Understanding in Science (IUS),</i> Shannon Sung, Ji Shen, and Seock–Ho Kim, The University of Georgia

