

12th Annual NSTA Global Conversations in Science Education Conference

Conference Agenda

Enhancing Global Workforce Skills Through Literacy, STEM, and Equity

Diamond Ballroom Salon 4, JW Marriott Los Angeles at L.A. Live
Los Angeles, Calif.

This event is available by preregistration only.
Tickets (M-1) are required, \$10. Order tickets online or
on the Los Angeles Advance Registration Form.

Wed., March 29

- 7:00–11:50 AM Middle School Science Classroom Visit in the Los Angeles Area
(Ticketed Event: W-1)
- 7:30–11:45 AM High School Science Classroom Visit in the Los Angeles Area
(Ticketed Event: W-2)

Wed., March 29

12 Noon Lunch

12:10 PM

Welcome and Introductions

Mary Gromko, NSTA President, 2016–2017, Colorado, United States
Antoinette Schlobohm, NSTA International Advisory Board Chair, 2016–2017,
California, United States

12:25 PM

Opening Speaker

New Global Approaches to Literacy

Speaker: Jim McDonald, Central Michigan University; President, Council of
Elementary Science International (CESI), United States

This plenary session will discuss reading/literacy strategies that allow teachers to provide better support for their students. The strategies will include explanations in science, asking better questions, and use argumentation to connect evidence with scientific data. Handouts will be provided, and we will go through at least one of the strategies.

Continued on following page.

* **NSTA International Lounge**

Please stop by the NSTA International Lounge in the Atrium I Room at JW Marriott Los Angeles at L.A. LIVE. The lounge may be used as a place to relax or as a meeting place while you're here at the Los Angeles conference. Hours:

Thu., March 30 9:00 AM–5:00 PM
Fri., March 31 9:00 AM–5:00 PM
Sat., April 1 9:00 AM–5:00 PM

Agenda 2

12:45 PM

Presentation Session 1

A New Look at Science Education in Early Childhood: The Most Critical Stage in Learning

Speaker: Sue Dale Tunnicliffe, ICASE, CASTME and UCL IOE, United Kingdom

Converting Research Papers into Children's Books

Speaker: Stuart Fleischer, The Walworth Barbour American International School in Israel

Questioning Science with Fictional Picture Books

Speakers: Sue Dale Tunnicliffe, University College of London, United Kingdom and Catherine Bruguere, University of Lyon, France

1:30 PM

Participant Break and Roundtable Discussion I

1:45 PM

Presentation Session 2

Using Student Research Projects to Create Scientific and Cultural Collaborations

Speaker: George Wolfe, Loudoun County Public Schools Academy of Science, United States

Toward An Understanding of Indigenous Perspectives Through The Eyes of Preservice Science Education Students

Speaker: Gregory Smith, Charles Darwin University, Australia

Improving Science Education by Introducing "Core Science Teachers" to Local Cities in Japan

Speaker: Yasushi Ogura, Saitama University, Japan

Evaluating Scenarios Which Promote Student Science-Related Career Awareness in the MultiCo Project

Speakers: Miia Rannikmäe, Regina Soobard, and Jack Holbrook, University of Tartu, Estonia; and Tuula Keinonen, University of Eastern Finland

Including Integrated Science and Mathematics Activities in Olympiad Events with Increased Parental Involvement

Speakers: Xiaoxin Lyu and Minjung Lee, Teachers College, Columbia University, United States

Agenda 3

3:15 PM **Poster Presentations and Participant Break**

3:45 PM **Presentation Session 3**

Enhancing Gender Awareness in STEM Education

Speaker: Gultekin Cakmakci, Hacettepe University, Turkey

Pedagogy Adopting Drama Techniques: Enabling Children to Aspire to a Career in STEM Context

Speaker: Deb McGregor, Oxford Brookes University, United Kingdom

Using STEM Projects to Foster Global Collaboration

Speakers: Susan Paulsen, Morgan Hill Unified School District, California, United States; Heather Wygant, Santa Clara Unified School District, California, United States; and Yujiro Fujiwara, Christian Academy in Japan, Tokyo

Science Club: A Collective Impact Model for Building STEM Skills and Identity in After-School Program

Speaker: Michael Kennedy, Northwestern University, United States

Igniting Student Interest and Creative Thinking Skills with Episodes from Harry Potter

Speaker: Alan McCormack, Prof. Emeritus, SDSU; NSTA Past President, United States

5:00 PM **Roundtable Discussion 2**

5:15 PM **Closing Remarks**

Mary Gromko, NSTA President, 2016–2017, Colorado, United States

NSTA is extremely grateful to Northrop Grumman Foundation and Council of Elementary Science International for their generous support and contributions to this event.

For updates and announcements, please check the Global Conversations Conference website: www.nsta.org/international

Agenda 4

Poster Presentations

Apply and Evaluate a Global Collaborative Research on Ocean Trash
Qing Gao and Rebecca Hite, Texas Tech University, United States

Development Studies in Science Education Related to Equity and Gender: International Perspectives and Recommendations
Teresa J. Kennedy, The University of Texas at Tyler, and Cheryl Sundberg, The Ronin Institute, The International Council of Associations for Science Education (ICASE)

Effect of International Trips on Students' Academic Achievement in Basic High School Chemistry in Monterrey, Mexico
Rosa L. Tinajero, Americaasia, Mexico and Martha P. Pérez, Universidad de Monterrey, Mexico

Enhancing Middle School Science Learning Through Exploration Curriculum and Service Learning
Chih-Che Tai, East Tennessee State University, United States and Mao-Cheng Lin, Guang Wu Junior High School, Taiwan

The University of Texas at Tyler Innovation Academy Instructional Coaching Model for STEM Learning
Michael R.L. Odell and Teresa J. Kennedy, The University of Texas at Tyler, United States

Making Cultural Connections Through Global Collaboration and STEM Projects
Susan Paulsen, Morgan Hill Unified School District, California, United States; Heather Wygant, Santa Clara United School District, California, United States; and Yujiro Fujiwara, Christian Academy in Japan, Tokyo, Japan

Preparing K–12 Leaders for Global STEM Education
Walter Smith, Carol Cao, and Heather Wygant, Texas Tech University, United States

Present Status and Issues of Korean Science Gifted Education: Evaluation of Second Plan for Discovery and Development the Science Gifted
Bongwoo Lee, Dankook University, South Korea and Heekyong Kim, Kangwon University, South Korea

Public Engagement with Science at Science Centers in Turkey
Gultekin Cakmakci, Hacettepe University, Turkey; Uygur Kanli and Fitnat Koseoglu, Gazi University, Turkey

Summer STEAM at Sakya: Multi-age, Bilingual Science Enrichment in Southern India
Shauneen Giudice, Delmar Middle and Senior High School, Delmar, Delaware, United States

The Development of Turkish Science Teachers' Inquiry-Based Teaching Skills: Experiences from PROFILES and The Ark of Inquiry (Aol) Projects
Bulent Cavas, Dokuz Eylul University, Turkey

Use of Creative Activities in Teaching High School Chemistry
Martha P. Pérez and Oralia Ramírez, Universidad de Monterrey, Mexico

Using Concept Mapping for Teaching and Assessment in Science Classroom
Priit Reiska and Aet Möllits, Tallinn University, Estonia