



Southeastern Regional Meeting of the American Chemical Society

Teacher Education Program

What: A fun filled day of learning how to apply chemistry and applied science concepts to your classroom

When: Saturday, November 3, 2018 8:00am-5:00pm

Where: Augusta Convention Center, Augusta, GA

Cost (includes lunch): \$30.00 before 10/8/18; \$50 after 10/8/18 and onsite

Sessions:

Hands-On Classroom Demos

Learn chemistry concepts through a variety of safe, hands-on demonstrations and experiments suitable for students, teachers and the general public.

Using Balloons to Model Graphene, Graphite, Buckyballs, Carbon Nanotubes and Diamond

Learn how to make large-scale, molecular orbital balloon models to help students visualize and understand concepts of pi-bonding, conjugation, aromaticity, and cycloaddition reactions or symmetry-controlled reactions.

An Introduction to Nanotechnology: What, Why, and How We Incorporate It Into the Classroom?

Nanotechnology is the cutting-edge branch of technology that deals with manipulation of matter on the nanometer scale (10^{-9} m). Learn how to conduct a series of “nano” lesson plans and hands-on nano-experiments that will assist educators in integrating nanotechnology into their everyday curriculum.

Chemistry, Coding & Combat: A Hands-On Introduction to the Sumo Robot League

Learn about the chemistry used by the Sumo Robot League (<http://sumorobotleague.com>), then get hands-on experience coding sumo robots in a graphical programming environment that can easily be used in the classroom. Please bring a laptop, if you have one, and willingness to try something new!

The Ins and Outs of Nuclear Science

Nuclear technology is all around us. How can you take the complex concept of nuclear science and make it fun in the classroom? This presentation will provide an introduction to nuclear fundamentals, uses of nuclear technology, and provide useful demonstrations and resources for the classroom.

Please visit the sermacs2018.org website for more details and the complete session descriptions (Program/Education Program/High School Teacher Program) as well as the registration information.

Our lunchtime speaker will be Ms. Sally Mitchell, the 2009 recipient of the American Chemical Society's James Bryant Conant Award for outstanding teaching of high school chemistry and U.S. Department of Energy Office of Science Albert Einstein Distinguished Educator Fellowship recipient.

Continuing Education credits may be available- please talk with your county coordinator.

Questions? Please contact Krissy Zeigler at 803-725-4180 or email sermacs2018@srs.gov