



2012 EAS Seminars

Eastern Analytical Symposium has refocused and expanded its Outreach Program for undergraduates and high school teachers.

EAS will offer four seminars essentially for high school teachers and undergraduate students during the November meeting. Each seminar will have outstanding presenters from academia and industry. The goal of each seminar is to demonstrate the advantages of a career in chemistry. The topics of these seminars include (subject to change):

Kitchen Chemistry

Sunday, November 11, 2012

Registration Limited to Middle and High School Teachers

1:00 p.m. to 4:00 p.m.

This seminar was designed to acquaint teachers with a career in food science. Dr. Shirley Corriher will present interesting food problems that motivated her. Dr. Corriher is "the mad scientist" on Alton Brown's TV show Good Eats. She holds audiences spellbound while she acts out everything from proteins to starch. Dr. Michael Stemmiski, through chemical experiments, arouses your curiosity to further explore the world of science through education. His presentation will consist of a series of simple demonstrations that will capture your imagination. Dr. Joseph Topping is a popular author of college chemistry texts. Dr. Topping's presentation will discuss examples from the kitchen and show that they may be more like our introductory chemistry labs than we would have ever imagined.

Chemical Identity via Mass Spectrometry

Monday, November 12, 2012

Registration for Qualified Teachers and Students

10:00 a.m. to 1:00 p.m.

This seminar, organized by Dr. Mingxiang Lin (Merck & Co.) sponsored by the North Jersey Mass Spectrometry Discussion Group, is designed to familiarize students with the fundamentals of mass spectrometry. Several speakers will discuss a variety of mass spectrometry techniques. Students will get to practice their skills at identifying compounds based on a mass spectrum, and applications of MS in various disciplines will be presented.

What Does an Analytical Chemist Do in Industry

Tuesday, November 13, 2012

Registration for Qualified Teachers and Students

10:00 a.m. to 1:00 p.m.

This seminar, organized by Procter and Gamble, is designed to familiarize students with varied career opportunities for analytical chemists in industry. Diverse roles an analytical chemist may fill in industry are examined, such as scientific consultant, method developer, and problem solver. Significant time is spent on exploring the process of solving problems. Actual case studies solved at P&G are posed, providing students with a strategy for approaching and solving these problems. This course, especially the problem solving, is structured for extensive participation and interaction.

Analytical Chemistry and Forensic Science

Wednesday, November 14, 2012

Registration for Qualified Teachers and Students

10:00 a.m. to 1:00 p.m.

This seminar, organized by Dr. Richard Saferstein, will have several speakers and they will discuss a variety of analytical technologies that are applicable to solving forensic science problems. Students will be introduced to the science of forensic toxicology and will learn the strategies that forensic toxicologists employ to detect poisons and drugs in the human body. Significant achievements that have been made in utilizing DNA typing for the purposes of linking biological evidence to a single individual will also be discussed. A number of actual case discussions will be presented and finally an overview of how forensic analysis makes use of minute particles in resolving crimes will be given.

Students and teachers must pre-register to reserve a space. Information on schedules and registration will be posted on our website as soon as they are finalized. Please contact Eastern Analytical Symposium at askeas@eas.org or visit our website at www.EAS.org for more information. Registration will open early July 2012.