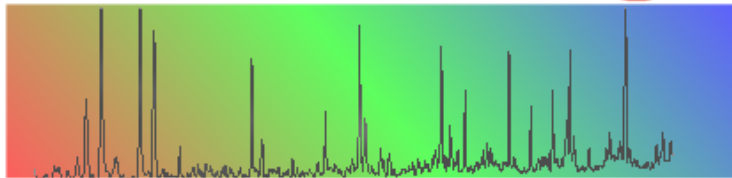




SAS-Chicago



February Meeting

Tuesday, February 8, 2011

The February 2011 meeting will be held at the Holiday Inn, located at 1000 Busse Road, Elk Grove Village, IL 60007. See the map on the last page.

Social Hour: 5:30 PM

Dinner: 6:30 PM

Speaker: 7:30 PM

On-site Environmental Monitoring with Portable Mass Spectrometry

Christopher C. Mulligan, Ph.D.

*Department of Chemistry
Illinois State University, Normal IL*

The need for rapid, on-site chemical analysis is as apparent as it has ever been, especially for compounds detrimental to health or to the environment, such as toxic industrial species, explosives, chemical warfare agents, and environmental toxins. On-site analysis can allow early warning of a harmful release, saving time and resources and increasing safety compared to lab analysis of field samples. The utility of a field-portable, analytical device goes well beyond security applications, though. Many chemical analyses would benefit from being performed at the original location or native environment of the sample of interest.

Portable mass spectrometers can be coupled with ambient ionization methods to allow direct analysis of unprepared environmental samples in the field. Utilizing this powerful combination can allow quick screening of chemical species directly from surfaces like plant tissue and even ground and surface waters.



Please make your dinner reservations for the upcoming meeting by email at sas.chicago1@gmail.com, using our online form <<http://www.sas-chicago.org/Online%20Registration%20at%20Elk%20Grove%20Holiday%20Inn%20.htm>> or by calling Slav Stepanovich at 847-421-2056. Leave **your name, company affiliation, a telephone number, the number of reservations and your choice of entree**. Please call by **noon Friday, February 4th**, so that proper arrangements can be made with the restaurant. Credit card payments must be made online at <sas-chicago.bbnow.org> prior to the meeting. Only payment by cash and check will be accepted at the meeting. Contact us if you can't attend; the SAS is charged for no-shows.

Entree choices: Sirloin Steak, Baked Parmesan Chicken, or Pasta Santorini

Dinner Cost Members: \$30

Students and Unemployed Members: \$10

Non-members: \$35

Christopher C. Mulligan received his B.S. in chemistry from Northern Illinois University. In 2008, he received his Ph.D. under Professor R. Graham Cooks at Purdue University. Christopher then joined the faculty in the Department of Chemistry at Illinois State University as an assistant professor in analytical chemistry. His current research involves the design and application of portable mass spectrometric instrumentation, with specific interest in method development for environmental monitoring, homeland and travel security, food safety, and forensic science.

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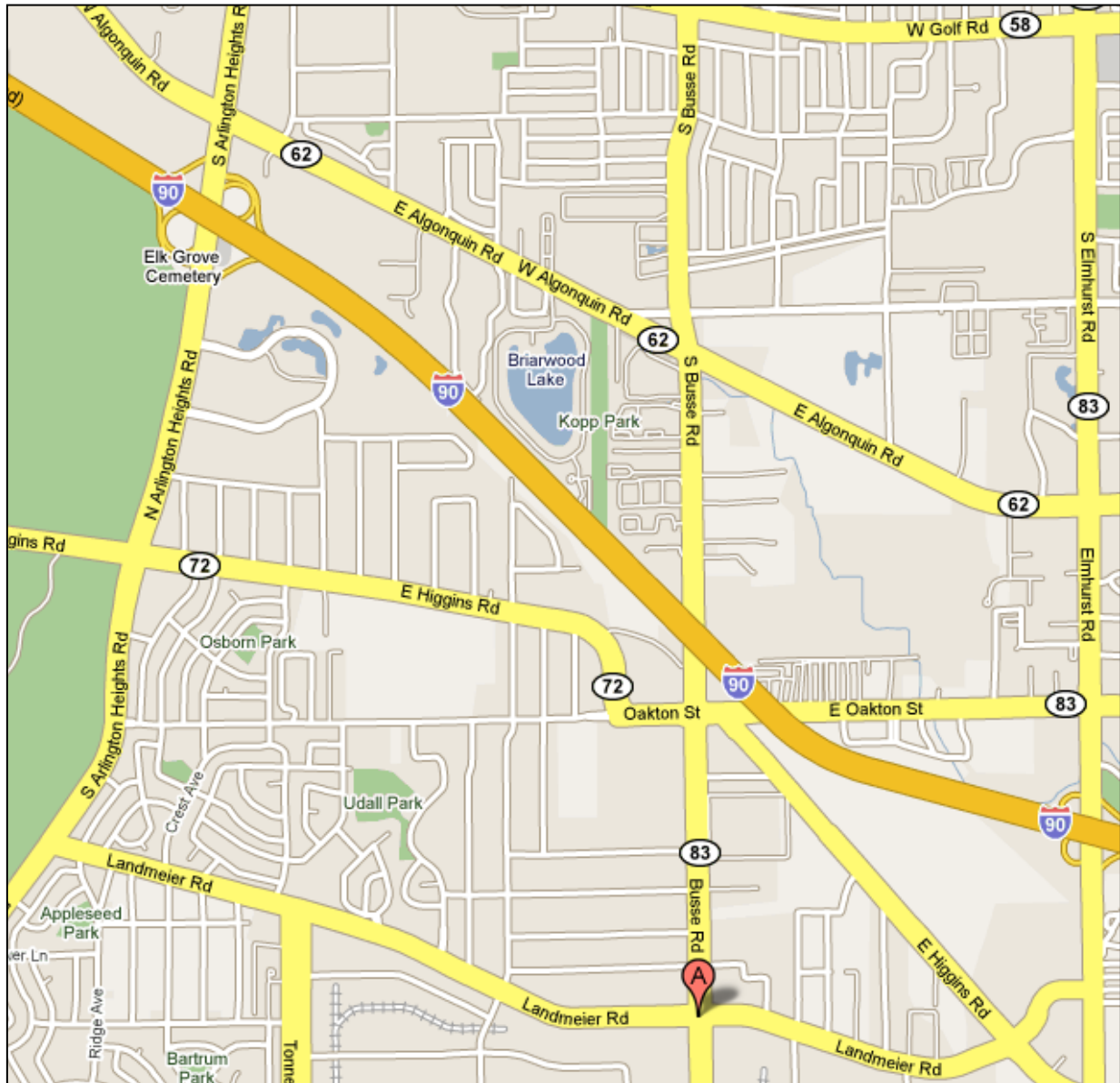
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