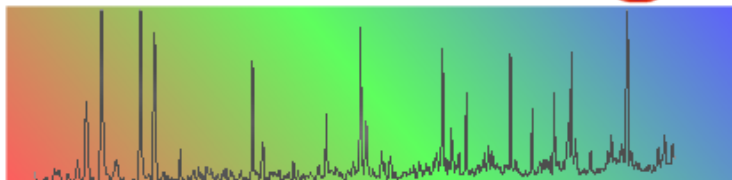




SAS-Chicago



Please visit our linked business cards on the [last page](#) of this flyer.

October Meeting

Tuesday, October 10, 2006

The October 2006 meeting will be held at the Angelo's Restorante & Banquets, located at 247 N. York Rd., Elmhurst, IL 60126. See the map on the following page.

Social Hour: 5:30 - 6:30 PM

Dinner: 6:30 PM

Speaker: 7:30 – 9:00 PM

Raman Microanalysis without an Optical Microscope: Bringing Raman Spectroscopy to the SEM and AFM Microscope

by

Richard Bormett, Ph. D.

Renishaw Incorporated

Advances in Raman instrumentation and the ease of use of modern micro-Raman instruments have allowed Raman microscopy to become a routine method of chemical analysis in an optical microscope. However, Raman imaging in an optical microscope remains a time intensive spectroscopic method it is generally not well suited to surveying large areas where there are potentially unknown constituents. Raman spectroscopy can be incorporated into non-optical microscopes, for example scanning electron microscopes and atomic force microscopes. The scanning electron microscope and atomic force microscope support a number of "fast" chemical and topographical contrast methods, including energy dispersive x-ray analysis and cathode luminescence and fluorescence that can greatly simplify area composition distribution analysis.

Examples and advantages of chemical/topographical imaging using non-optical microscopes to identify regions of difference/interest for Raman chemical analysis will be shown

Please make your dinner reservations for the upcoming meeting by email at sas.chicago@bigfoot.com, by using the form on our web page < <http://sas-chicago.org/Online%20Registration%20at%20Angelo.htm> > or by calling Mike Jankowski at 847-970-5061. Leave your name, company affiliation, a telephone number, the number of reservations and your choice of entree. Please call by noon Friday, Oct. 6th, so that proper arrangements can be made with the restaurant. If you can't attend, cancel by Mon. noon: SAS is charged for no-shows.

Entree choices: 6 oz Ribeye Steak, Chicken Florentina Spinach, or Pasta with Garlic and Oil Fried Vegetables.

Dinner Cost Members: \$25

Students and Unemployed Members: \$10
(No Shows may be Billed)

Non-members: \$30

Biography of Richard Bormett, Ph. D.

Richard Bormett has been with Renishaw Inc, Hoffman Estates IL, since 1996 and the Renishaw Business Manager for Raman products since 2002. Richard earned his Ph.D. in Analytical Chemistry in 1996 from the University of Pittsburgh working with Professor Sanford Asher on new instrument technology for deep UV Raman spectroscopy and vibrational circular dichroism. Richard's interest in vibrational spectroscopy developed during his brief time at UW-Madison's synchrotron radiation center studying the chemistry of photoresists for the Center for x-ray Lithography.

DIRECTIONS TO ANGELO'S RESTORANTE & BANQUETS

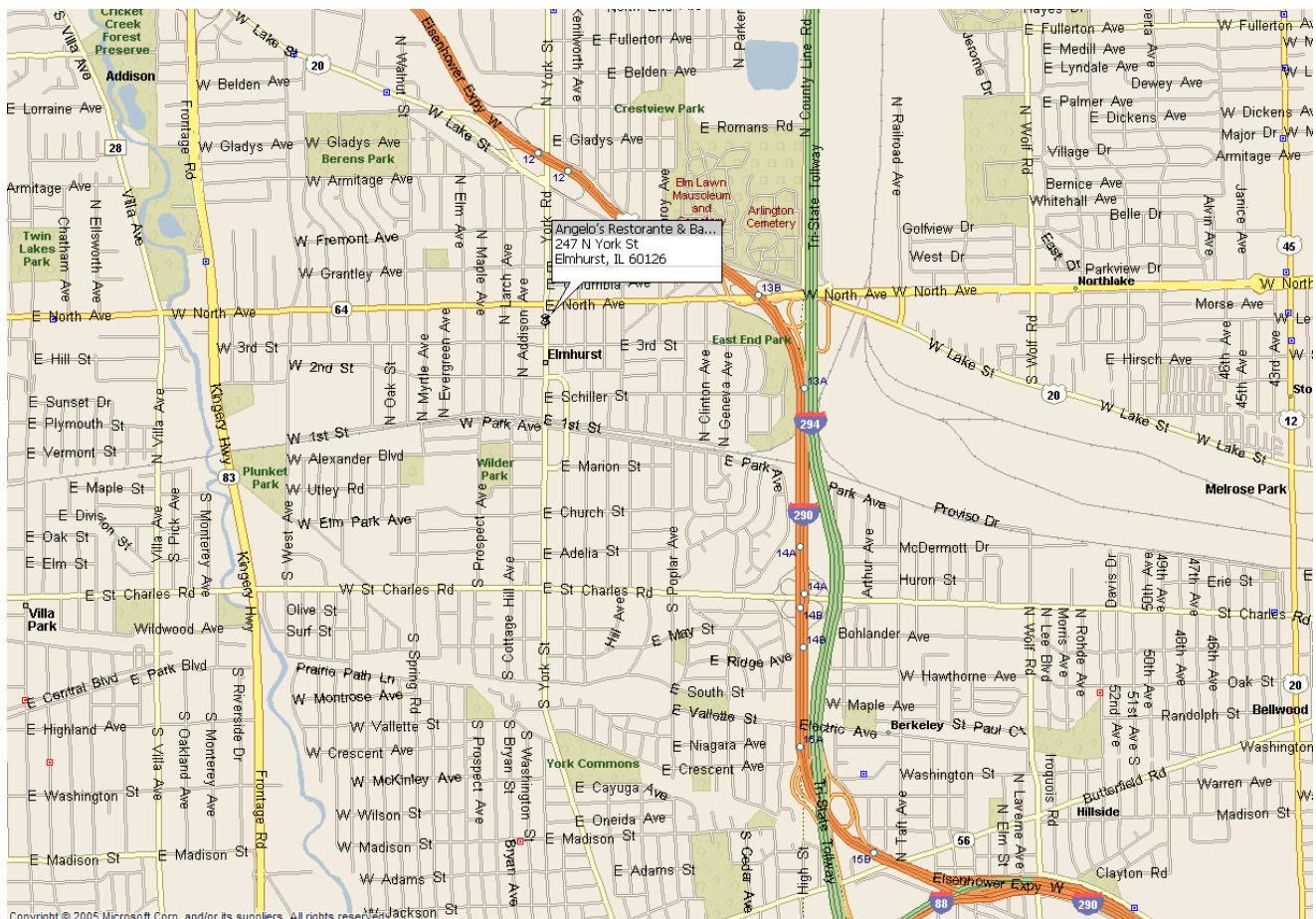
247 N York St, Elmhurst, IL 60126; Phone: 630-833-2400

Angelo's Restorante and Banquets is located in Elmhurst less than one block south of North Avenue (IL-64) on York St. on the east side of the street.

From north: Take I-294 (Tri-State) exit I-290 West. Immediately exit onto IL-64 West (North Avenue) Go to York St. and turn left. Proceed to restaurant.

From northwest: Take I-290 to the York Road exit and turn left. Proceed to restaurant.


From south: Take I-290 exit IL -64 West (North Avenue) Go to York St. and turn left. Proceed to restaurant.



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