



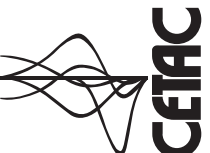
# ICP-AES/ICP-MS Continuing Education Series 2008–2009

## Who should attend?

- Laboratory Managers*
- Quality Managers*
- Instrument Operators*
- Laboratory Technicians*

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CETAC Technologies



### How to register:

**By phone:**  
800-369-2822  
Or 402-733-5416

**By fax:**  
402-733-5292

**By e-mail:**  
tmaxwell@cetac.com

### By mail:

Complete and mail this form to:  
CETAC Technologies  
Attn: Todd Maxwell  
14306 Industrial Rd.  
Omaha, NE 68144

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### Course Selection

- Course 201, Oct. 20-21, 2008    Course 301, Oct. 22-23, 2008  
 Course 201, Apr. 20-21, 2009    Course 301, Apr. 22-23, 2009

Card number \_\_\_\_\_  
Expiration date \_\_\_\_\_  
Signature \_\_\_\_\_

*See brochure for enrollment fees.*

## Course Instructors:

### Dr. Fred G. Smith, CETAC Technologies



Dr. Smith received his B.S. in Chemistry from Carroll College, WI and his Ph.D. in Analytical Chemistry from Iowa State University under the direction of Dr. Sam Houk. His particular interests include techniques for trace element pre-concentration/matrix elimination for plasma spectroscopy. He also provides technical support for various CETAC products.

### Robert B. Myers, a B.S. Chemist



from Carnegie Mellon University, attended graduate school in the field of emission spectroscopy under the direction of Prof. V. A. Fassel, Iowa State University at Ames, Iowa. For over forty years, he has been involved with atomic emission spectrometry. Mr. Myers has worked in various capacities for Jarrell-Ash (now a Thermo Fisher company), Leeman Labs, and Jobin Yvon, before forming his own consulting company in the early 1990's. Most recently, he was the General Manager of CETAC Technologies.

Mr. Myers has traveled extensively, both domestically and internationally, and has been actively involved in the sales and marketing, as well as the presentation of technical seminars, for emission products in over 50 countries. He has lectured on ICPs at the Modern Industrial Spectroscopy course at Arizona State University for 17 years, provided an ICP workshop at the annual FACSS meeting, and has conducted a short course on ICPs at the Pittsburgh Conference for the last eight years. Mr. Myers has been active in ASTM Committee E01 on Analytical Chemistry for 20 years and has been named a fellow of the organization.

## Course Dates:

October 20–23, 2008

April 20–23, 2009

These courses have been specifically designed to satisfy the continuing education requirements of quality programs and to appeal to personnel with varying backgrounds.

### Course 201

#### Introduction to Inductively Coupled Plasma Atomic Emission Spectrometry and Laboratory Session

The course will include the concept of ICP-AES spectrometry from the physical nature of the source through the various components of the instrumentation. Other topics will include calibration, background correction, interelement effects, and performance enhancers. The laboratory session will emphasize hardware components and performance parameters.

### Course 301

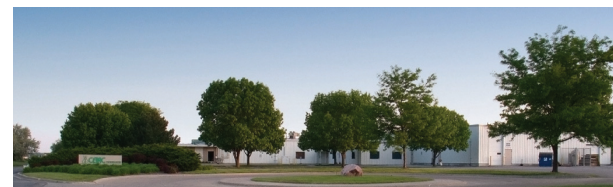
#### Introduction to Inductively Coupled Plasma Mass Spectrometry and Laboratory Session

The components that comprise an ICP-MS instrument will be described with particular detail for those items that are not in common with ICP-AES systems. Topics such as interferences, data acquisition, sample preparation, and accessories will be discussed. Laboratory demonstrations will be used to demonstrate various aspects of ICP-MS spectrometry.

### Assistance:

If you would like to register, or if you have any questions regarding the course, contact:

Todd Maxwell, Continuing Education Administrator  
CETAC Technologies  
Phone: 402-738-5416  
Fax: 402-733-5292  
E-mail: tmaxwell@cetac.com



## Course Requirements:

Because the education and training of the ICP-AES or ICP-MS operator varies so much in today's laboratories, CETAC Technologies is offering a four-day lecture and laboratory series in 2008/early 2009. Each course is a prerequisite for subsequent courses and should be attended sequentially. However, an attendee may take the next sequential course within one year of attending the prerequisite course.

## Course Fees:

**Course 201 Introduction to ICP-AES & Lab: \$900**

**Course 301 Introduction to ICP-MS & Lab: \$900**

\* A \$100 course fee discount may be deducted for all additional attendees from the same organization.

**NOTE:** To hold your enrollment in the series you plan to attend, payment must be received as follows:

October 2008 series—by Sept. 15, 2008

April 2009 series – by March 1, 2009

## Refund Policy:

100% refund if registrant cancels 10 working days prior to the course; 25% cancellation fee incurred thereafter. Registrants who fail to attend without notifying the administrator are liable for the entire fee. Substitutions are permissible at any time.