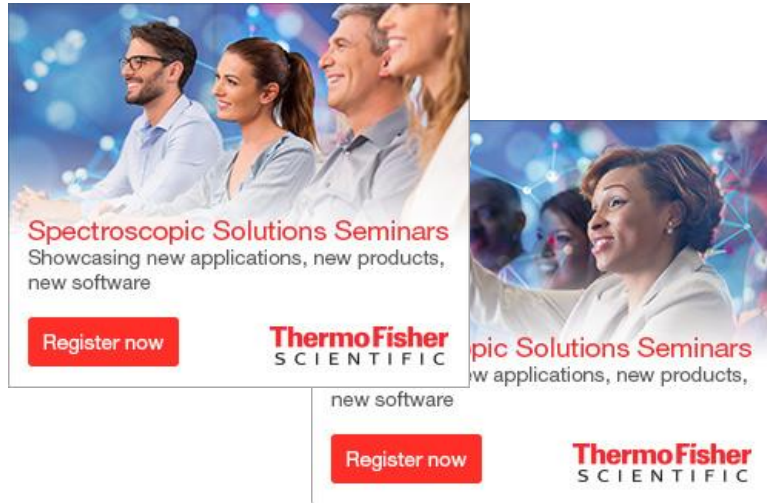


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Putting FTIR, Raman & NIR to work across your product spectrum

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Spectroscopic Solutions Seminars

Putting FTIR, Raman & NIR to work across your product spectrum

All new for 2019!

Reasons to attend
For 27 years, over 20,000 spectroscopy users from different disciplines in materials research, analytical and QA/QC labs, with varying skill levels, have joined us for our Spectroscopic Solutions Seminars. Each year, we provide valuable information about the latest applications, tools, and trends in spectroscopy – delivered by some of the foremost experts in the field.

What you will experience

- Live demonstrations of new spectroscopy hardware and new software
- Current application examples tailored to your industry
- Networking with application scientists and your peers

Locations

April 9 – Burlington, MA	April 30 – Phoenix, AZ
April 11 – Hartford, CT	May 2 – Houston, TX
April 15 – New Orleans, LA	May 7 – Princeton, NJ
April 16 – Fremont, CA	May 9 – King of Prussia, PA
April 16 – Columbia, MD	May 9 – Livonia, MI
April 23 – Costa Mesa, CA	May 14 – Cincinnati, OH
April 23 – Miami, FL	May 14 – Albuquerque, NM
April 25 – Madison, WI	May 16 – Toronto, ON, Canada
April 30 – Greenville, SC	

Agenda
8:30 a.m. – Registration and continental breakfast

Morning sessions:

- **What's Hot in Spectroscopy**
Learn why FTIR, Raman and NIR have grown to become essential techniques throughout the manufacturing workflow, from R&D to QA/QC. See examples of how spectroscopy is used behind the headlines in applications such as environmental microplastics and the opioid crisis. Get practical advice on selecting the best technique and sampling device for your situation.
- **Assuring Quality – Keeping your Business Flowing Smoothly with FTIR**
Spectroscopy ensures minimal sample preparation or reagents, making it ideal in the QC lab. See examples of how spectroscopy has replaced wet chemical techniques thereby reducing cost and supporting green chemistry. Learn how the latest software tools assist in complying with FDA regulations in a cGMP environment.
- **Spectroscopy in the QC Workflow**
See how to build and deploy a simple analytical workflow. Watch a live demonstration showcasing the very latest in hardware and software.
- **Spectroscopy in the Cloud – Connect and Collaborate**
The Cloud is revolutionizing how we store, share and analyze data. Learn how ThermoFisher is leveraging Cloud technology to help scientists connect and collaborate, without being chained to the lab bench.

12:15 p.m. – Complimentary lunch and networking

Afternoon sessions:

- **FTIR for R&D and failure analysis**
Learn how collecting data across multiple spectral ranges, including FT-Raman can be used to build up the full picture of your sample. Get practical tips on how to get the best from your system and interpret the data it produces.
- **FTIR in the trouble-shooting workflow**
See a live demonstration of a multi-range system in action. Learn how easy it is to obtain data from multiple spectral ranges.
- **Solving Big Problems with Small Samples – Raman and FTIR Microscopy**
The root cause of product failures frequently starts at the micro-scale. From simple point-and-shoot analysis to sophisticated imaging, Raman and FTIR microscopy provide insight into chemistry at the microscopic. Get practical tips on sample preparation and see how microscopy can solve problems with your smallest samples.

4:00 p.m. – Close

For more information, email or call:

Find out more at thermofisher.com/S32019

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Meet Our Team:

 Ad Beyer is the Eastern Field Engineer for the FT-IR, FT-NIR, IR Microscopes, Raman and NIR products in New York State, and Connecticut, since 1998. Ad has been with Thermo Scientific since 1980. ad.beyer@thermofisher.com

 Peter Rubenstein is the Senior Applications Scientist for applications involving FT-IR, IR, Raman, FT-Raman, NIR and NIR cameras. He received his Ph.D. in Physical Chemistry at the University of Pennsylvania and went to work as an application scientist in the field of vibrational spectroscopy. In this role he has been particularly active in method development and customer training. rcr25000@thermofisher.com

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Seminars near you

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April 17 - Huntsville, AL	May 2 - Arlington, TX
April 19 - Atlanta, GA	May 3 - Needham, MA
April 19 - Burbank, CA	May 15 - Bloomington, MN
April 24 - Oak Brook, IL	May 16 - Montréal, Canada
April 25 - Seattle, WA	May 16 - Westminster, CO

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Carrie Jones-Mautz
Global Field Marketing Manager at Thermo Fisher Scientific

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Whether you are new to FTIR and Raman spectroscopy, looking to sharpen your skills, or investigating the latest technology, this seminar provides:

- An overview of the technique fundamentals: How they work and where to use them
- Training on how to obtain the best data from your sample
- Examples of the hot applications in materials science and testing
- Live demonstrations of the latest instrumentation
- An opportunity to consult with our team of industry experts and network with your peers

Featured Product
Designed to be highly flexible, the Thermo Scientific™ Nicolet™ i550 FTIR Spectrometer can be upgraded from a simple FTIR bench to a fully-automated multi-spectral range system that can acquire spectra from far-infrared to visible. You can initiate novel ATR, Raman and NIR modules at the touch of a button, enabling access to these techniques without manually changing system components.
[Find out more >](#)

Cities and Dates:

Cleveland, OH - Tues, April 10, 2018	Princeton, NJ - Thurs, April 26, 2018
Fremont, CA - Tues, April 17, 2018	Amherst, NY - Tues, May 1, 2018
Huntsville, AL - Tues, April 17, 2018	Arlington, TX - Wed, May 2, 2018
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Seattle, WA - Wed, April 25, 2018	Westminster, CO - Wed, May 16, 2018

Time: Seminars begin at 8:30 a.m. local time with registration and continental breakfast; the day concludes at 3:15 p.m.

Register today!

2017 Seminar Reviews:

"All of the presenters were very well spoken and educated. Overall great experience."
- Chemist, Manufacturing Company

"I found the real life applications and data useful."
- Chemist, Contract Research Laboratory

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Find exactly what you are looking for by quickly exploring the entire area of a sample using our intelligent approach to chemical imaging and data collection. The Thermo Scientific™ DXR™ Raman Imaging Microscope reveals visual information with speed and simplicity. High performance chemical imaging is now accessible to all, accelerating research for new and experienced users alike. Transform the way you approach materials analysis.
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2017 Seminar Reviews:

"This workshop was very informative and rewarding for experience and non-experience users. Very well rounded workshop."
- Research Chemist, Asphalt Company

"I found the opportunity to ask questions one on one with instructors useful."
- Director and Analytical Chemist, Renewable Energy and Biolofts Company

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- An opportunity to consult with our team of industry experts and network with your peers

Featured Product
Streamline your infrared microanalysis workflow with the Thermo Scientific™ Nicolet™ iN10 Infrared Microscope. Designed with the simplicity of an FTIR spectrometer and the ability to measure samples down to a few microns, it is a modern, productive and cost-effective infrared microanalysis solution. The Nicolet iN10 FTIR Microscope provides answers with the high degree of confidence required by today's analytical laboratories.
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2017 Seminar Reviews:

"The knowledge from the PowerPoint is helpful but it doesn't seem real until it's live. The live presentation links the info to reality."
- Technical Sales Specialist, Scientific Accessories Company

"Thank You! This was a very well prepared workshop. Great information that made me more aware of instrumentation capability and ideas for use. Lunch was a great networking opportunity."
- Lab Coordinator, University

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