



Dr. Dehua Yang



Dr. Eric Smolensky

Dr. Dehua Yang is a materials scientist who has more than 30 years of experience spanning critical areas of R&D, manufacturing, and nanotechnology with significant contributions in nano mechanical and nano tribological characterization techniques. In addition, he has authored over 50 scientific publications and holds seven issued patents regarding tribology and nano/surface science. He serves as a technical editor for Tribology & Lubrication Technology as well as the Vice Chair for the ASM International Technical Book Committee. He is also the President and Founder of Ebatco.

Dr. Eric Smolensky is an analytical chemist with over 10 years of experience focusing on nanoparticle surface science and education. In addition to his time as a chemist, he has also spent five years teaching privately and developing curriculum. He has authored over 10 publications in the form of scientific publications, academic books, and articles. At Ebatco, he manages the chemical analysis department with state-of-art instruments such as FTIR, Raman, XRD, SEM/EDS, thermal analyzers.

REGISTRATION INFORMATION

Training course seats are limited and may be filled soon. Please contact Ebatco today to register with the following information.

Name:
Organization:
Address:

Phone Number:
Email:

PAYMENT

Cost for the training is \$495/attendee. Payment can be made by credit and check.

Credit: Please call (952) 941-2199 with your credit card information.

Checks. Please mail checks to the address listed below.



QUESTIONS? CONTACT US.

Ebatco
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Characterization and Failure Analysis of Thin Films and Coatings

EBATCO ACADEMY
TRAINING SESSION NO. 1

SEPTEMBER 20TH, 2018

Ebatco Academy

Training Series No. 1

CHARACTERIZATION AND FAILURE ANALYSIS OF THIN FILMS AND COATINGS

Ebatco is a nanotechnology-focused service and development company that builds bridges to the nanotech economy. Ebatco provides one-stop-shop solutions to your daily challenges by providing nano and micro scale analytical lab services, expert-level consultation on nanotechnology applications, and first-class scientific instruments. The Ebatco Academy was created to disseminate scientific and technological knowledge and to provide essential and critical trainings in testing, measurement, and analysis using advanced instruments. The inaugural training session is scheduled on September 20th, 2018. The session will cover nanomechanical and chemical characterization of thin films and coatings and how to perform failure analysis.

WHO SHOULD ATTEND?

This series is open to anyone who has some technical background. New and experienced technicians, engineers, analysts, and scientists working in R&D, analytical labs, testing centers, and quality management from the following fields may find the information particularly valuable.

- Adhesives
- Alloys & Steels
- Decorative Coatings
- Medical Devices
- Microelectronics
- Optics
- Packaging & Labeling
- Paints
- Polymers & Plastics
- Transportation

WHAT YOU WILL LEARN

Attendees will get exposure to a variety of areas related to thin films and coatings selected by the experts in the fields. The training is limited to fewer than 30 participants to encourage engagement and discussion. Topics to be covered include the following.

- Applications of Coatings
- Coating Preparation Methods
- Coating Properties
- Nanomechanical & Chemical Testing
- Failure Analysis Case Studies
- Identification Analysis
- Important Testing Parameters
- Instrument Limitations
- Relevant Testing Considerations
- And more!

EVENT DETAILS

When: September 20th, 2018

Where: 10025 Valley View Rd
Suite 150
Eden Prairie, MN 55344

Cost: \$495/attendee

Cost includes training instruction and materials, lunch and refreshments. Travel and lodging not included

Schedule of Events

8:30 – 9:00 am

Registration, Coffee and Donuts

9:00 – 10:20 am

“Coatings and Thin Films – An Overview”

Presenter: Dr. Dehua Yang

10:20 – 10:35 am

Coffee Break

10:35 – 11:55 am

“Chemical Analysis of Thin Films and Coatings”

Presenter: Dr. Eric Smolensky

11:55 am – 12:20 pm

Guided Tour of Ebatco NAT Lab

12:20 – 1:20 pm

Lunch on Site

1:20 – 2:40 pm

“Nanomechanical Testing of Thin Films and Coatings”

Presenter: Dr. Dehua Yang

2:40 – 2:55 pm

Coffee Break

2:55 – 4:15 pm

“Failure Analysis in Thin Films and Coatings”
Presenters: Dr. Eric Smolensky, Dr. Dehua Yang

4:15 – 4:30 pm

Q&A, and Training Course Survey