ASM Eastern NY & CDMMS November Student Poster & Micrograph Contest, Dinner, Presentation @ Russell Sage Dining Hall

RSVP by Tuesday noon November 15th, 2016

When: Thursday November 17th, 2016
Location: second floor of Russell Sage Dining Hall (near the corner of 15th Street and Sage Avenue on the Rensselaer Polytechnic Institute Campus)

Posters on Display 5:30 PM
Cash Bar 5:30 PM
Dinner 6:30 PM
Technical Presentation 7:15 PM

Map:  https://goo.gl/maps/8VZ3WecHZoT2

Parking available in the lot on College Avenue off of 15th Street after 5:00PM

* Required

Technical Presentation - Understanding Electron Backscatter Diffraction: How Can I Use EBSD to Solve My Problem?

Abstract:

Electron Backscatter Diffraction (EBSD) is a technique that allows its practitioners to understand their
samples from a crystal orientation and spatial perspective that other techniques can not. While EBSD can
be used for wide ranging applications, microelectronics to biology, the main application area is metals. This
talk will focus on the basics of EBSD, the data derived from it, and some applications specific to metals.

Speaker Bio:

Shawn Wallace joined EDAX in 2015 as an Applications Engineer specializing in EBSD. He has a strong
background in a wide variety of instrumentation including EBSD, electron microprobe, mass spectrometry,
and computed tomography. In his career, he has taught researchers of all levels, from post docs to
undergrads, how to use instrumentation and he continues that here at EDAX. Shawn earned his MS in
Geology from the University of South Carolina. His research focused on method development for ICP-Mass
spectrometry and geothermobarometry to help better understand planetary differentiation. After earning
his degree, Shawn worked as a Scientific Assistant at the American Museum of Natural History in New York
City, where he helped study the origin of the Solar System using EBSD and other instruments, including 3D
work with computed tomography.

Dinner buffet: chicken, steak, salad, three side dishes, & dessert.

Student Poster & Micrograph Contest

The annual ASM Materials Poster & Micrograph Contest and Exhibition is scheduled for Thursday,
November 17th on the upper floor of the Russell Sage Dining Hall. Poster judging will be followed by dinner
and a presentation with the Capital District Microscopy and Microanalysis Society (CDMMS). Posters and
micrographs must be set up by 5:15 when judging begins. Entry forms (due November 11) are not counted
for dinner. All those participating in dinner (students in the contest, all other students, guests,
for dinner. All those participating in dinner (students in the contest, all other students, guests, professionals, etc) should use the form below to register for dinner.

Prizes (Undergraduate and Graduate Categories):
Posters: 1st Place - $200, 2nd Place - $100
Micrographs: 1st Place - $100

Student winners also receive complementary registration to the 2017 Eastern NY ASM Symposium and a one year membership in CDMMS
Entry forms must be submitted by Friday, November 11th.

ENTRY FORM AND RULES

Rules:
· Entries (including micrographs) must be mounted on a sturdy backing (mat board, cardboard, etc.)
· Contestants are limited to one entry and must be present to discuss their work.
· Subject matter must be materials related.
· Maximum acceptable dimensions: 48” X 48” for posters and 16” X 20” for micrograph entries.
· Entries for micrograph contest may be collected by optical, electron, or other microscopy technique.

Posters will be judged using the following criteria in this order:
1. Technical content: originality of the project in relation to solving a problem.
2. Presentation: quality in an aesthetic and technical sense, manner of titles and printed descriptions.
3. Organization: does the poster present the work in a logical, easy to understand manner?

Micrographs will be judged using the following criteria in this order:
1. Technical content: originality of the micrograph in relation to the work performed.
2. Photographic quality: aesthetic quality of the image and presentation.
3. Specimen quality: is the preparation technique appropriate, unique, and well executed?

To enter send the following information to Gregory Hock (EastNYASM.PosterContest@gmail.com) by Friday, November 11th.

Name:
E-mail:
Title of Entry:
Category (Undergraduate or Graduate):
Competition (Poster or Micrograph):
Organization

Your answer

Email *

Your answer

Registration Type (Registration/Payment is only required for dinner. The event otherwise is open to all who wish to attend.) *

☐ Student participating contest - $10

☐ Student NOT participating contest - $20

☐ Retiree - $10

☐ Professionals and Guests - $20

Questions/Special Needs

Your answer

Never submit passwords through Google Forms.