

EASTERN NEW YORK ASM/ HUDSON-MOHAWK TMS NEWSLETTER

April 2004

April ASM Meeting Tour of Blasch Precision Ceramics Tuesday April 20, 2004

Founded in 1979, Blasch Precision Ceramics provides customized, solutions for various chemically difficult or high temperature applications. Blasch designs and produces net shape refractory and ceramic components/ systems for a variety of manufacturing and processing industries throughout the world, including aerospace, automotive, casting, electronic, chemical, petrochemical, industrial process heating, and power generation. Blasch products are used in a variety of applications in challenging energy, thermal and chemical environments.

580 Broadway, Albany
www.blaschceramics.com

5:00 pm Tour followed by
Dinner at the Albany Pump Station,
19 Quackenbush Square, Albany

RSVP: Contact Andrea Cooper at 395-4715
by **Friday, April 16** with your Dinner choice and
Employer name.

Dinner Options:

Beer-battered fish & chips, Half rack of baby back
ribs, Grilled pork loin or Mozzarella ravioli

Please RSVP even if you intend to participate in the
tour only.

Directions to Blasch:

From Albany or I-90: Take 787 North

From Rt 2 or Rt 7: Take 787 South

From 787: Take the exit for 378 West. S Soon after
merging, take exit to Rt 32 North (Broadway) towards
Watervliet.

Blasch is on the left at #580 (near Albany Steel and
Burger King)

Congratulations to
George Young
2004 Alfred H. Geisler Memorial
Award recipient.

George is a graduate of RPI and the University of Virginia and has been with Knolls Atomic Power Laboratory since 1999. He received this award for outstanding contributions to the field of stress corrosion cracking. The Alfred H. Geisler Memorial Award recognizes an outstanding young materials engineer from the Eastern NY ASM Chapter.

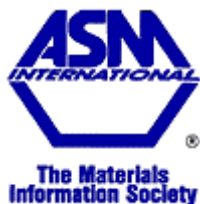
Past Geisler Award Recipients

1980 Clyde L. Briant	1981 Randall M. German
1982 Thomas Devine, Jr	1983 Stephen Shatynski
1984 Ernest L. Hall	1985 Rodger H. Bricknell
1986 Kenneth Cadien	1987 Alan I. Taub
1988 Keh-Min Chang	1989 Shyh-Chin Huang
1990 Joseph Kapp	1991 Bernard P. Bewlay
1992 David B. Knorr	1993 Gerhard E. Fuchs
1994 Wojtek Misiolek	1995 Kathryn Danneman
1996 Chip Blankenship	1997 John Sutliff
1998 Scott Simonson	1999 William T. Carter
2000 Linda Schadler	2001 Ji-Cheng Zhao
2002 David S. Morton	2003 James A. Ruud

Congratulations also to
Dr. Martin E. Glicksman, FASM,
John Todd Horton chair, professor of materials
science and engineering, Rensselaer
Polytechnic Institute, Troy, N.Y
ASM International 2003 Gold Medal
Recipient

Dr. Glicksman was cited for "pioneering contributions to understanding basic solidification processes, especially dendritic growth, scaling laws, and microstructure development in the design of novel and advanced materials, and for a lifetime of mentoring and training students in their pursuit of materials careers."

2004 ASM/TMS Spring Symposium



Smart & Functional Materials

May 24th & 25th, 2004

GE Global Research Center, Niskayuna, NY



May 24th Sessions - Sensor Materials & Applications

Include Invited Speakers:

Prof C. Grimes, Penn State University on "Hydrogen Sensing and Photochemical Properties of Titania Nanotube Arrays Made by Anodization"

Prof S. Akbar, Ohio State University on "From Bulk and Thick-film sensors to Ceramic Nanostructures"

Dr. R. Blasi, Bettis Atomic Power Laboratory on "Irradiation Resistant Glass for In-Situ Monitoring"

May 25th Sessions - Materials for Actuation, Smart Structures

Include Invited Speakers:

Prof R. O'Handley, MIT, on "Ferromagnetic Shape Memory Alloys"

Prof Y. Zhang, Lehigh University on "Piezoelectric Paint - Making Intelligent Coating Sensors for Non Destructive Structural Condition Assessment"

Dr. J. Snodgrass, Etrema Products Inc. on "Magnetostrictive Smart Materials: Past, Present, and Future"

Prof. K. Uchino and Dr. S. Priya, Penn State University on "Piezoelectric Actuators"

Symposium Reception, Dinner and Lecture May 24th at the Glen Sanders Mansion

A tour of GE Global Research will be offered prior to the Symposium Reception on May 24.
Tour size will be limited to 30 people.

Professionals: \$250 (2 days); \$150 (1 day); \$100 (½ day)

Students/Retirees: \$50 (2 days); \$25 (1 or ½ day)

Dinner and lecture: \$20 (Retiree: \$15, Student: \$10)

Pre-register online at <http://www.research.ge.com/surveys/asmtms04.htm>

Questions: Laurent Creteigny (518) 387-5730 or symposium2004@asm-easternny.org

Zeiss Mat Mobile - On The Road Again.

The Zeiss Mat Mobile will go on tour around U.S.A. from April through June. Mat Mobile is a mobile microscope lab equipped with the latest products. Everything from Stereo to Laser Scanning Confocal Microscopy is onboard.

Learn about Zeiss exclusive Circular DIC & TIC techniques, Enhance Contrast objectives, new digital microscopy, image archiving and analysis software for Grain Size, Multiphase, Graphite, & Dendritic Arm Space measurements and much more!

The Zeiss Mat Mobile will be in the Capital District on June 14 and 15, 2004

**Location:
SUNY Albany, Parking lot University Drive East
1400 Washington Ave. Albany (NY, 12222)**

Open to the public.

More information available at <http://www.zeiss.com/matmobile>

RENSSELAER POLYTECHNIC INSTITUTE DEPARTMENT OF MATERIAL SCIENCE & ENGINEERING SEMINAR SERIES - SPRING 2004

Date/Place	Name / Affiliation	Title
April 8 CII-4050	Yunfeng Lu Tulane University	Assembling Nanoscale Structures into Macroscopic Devices
April 15 CII-3051	Laszlo Kish UTA	Who Wins? On Energy Dissipation in Quantum and Classical Information Process
April 22 CII-4050	Sheldon Wiederhorn NIST	The Structure of Crack Tips in Glass Albany International Distinguished Lecture
April 29 CII-3051	Arijit Bose University of Rhode Island	Microstructure Evolution and Materials Synthesis in a Self-assembled Mixed-surfactant Mesophase

All seminars are scheduled for 4:00pm.

NEW EMAIL ADDRESS??

Please contact Luana Iorio (lorio@crd.ge.com) with any email address updates to ensure that you continue to receive the Chapter Newsletter.

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Calendar of Events

April 20: Tour of Blasch Precision
Ceramics

May 24 & 25: ASM/TMS Spring Symposium:
Smart & Functional Materials
GE Global Research

This newsletter and other chapter
information can be found on the
ASM Chapter website:
<http://www.asm-easternny.org/>

Please send any newsletter
announcements and suggestions to
Luana Iorio at iorio@crd.ge.com.