

March 2005See us on the WEB at: <http://www.ewh.ieee.org/r2/susquehanna>

March 2005 Section Meeting

March's Program

Join the IEEE Susquehanna Section's March 15th meeting for an excellent served meal and to see Dr. Nat Hager III, president of Material Sensing & Instrumentation, Inc. and adjunct professor of physics at Elizabethtown College, for a talk entitled, "Using Microwaves to Monitor Cement Cure, Space Shuttle Tile Adhesive, and Composite Materials". This month's meeting will be held at Elizabethtown College.

Date: Tuesday, March 15, 2005
Time: Dinner 6:30 PM
Program 7:30 PM
Location: Event Space in Brossman Commons
Elizabethtown College
Elizabethtown, PA
Dinner Cost: \$12, \$6 for students
Program: "Using Microwaves to Monitor Cement Cure, Space Shuttle Tile Adhesive, and Composite Material", Dr. Nat Hager III, president of Material Sensing & Instrumentation
Contact: Dr. Troy McBride
717-361-3755
E-mail: mcbriDET@etown.edu
RSVP by 3/10/04 so we can get the catering count right for our hosts.
(Please contact by email if possible)

This talk will cover a microwave sensing technique to monitor cure (and thus strength) of poured concrete in the laboratory and potentially at job sites requiring multiple structural layers. Alternative applications of this technology, as well as other novel microwave measurement systems, will be briefly discussed. The applications include the monitoring of composite polymers and adhesives used for attaching the Space Shuttle tiles.

Menu includes Caesar Salad, Grilled Chicken Breast with Black Bean Papaya Salsa and Ancho Chili Vinaigrette, Roasted Red Potatoes, Fresh Asparagus, Cheesecake with Fresh Strawberries, Rolls/Butter, and Coffee/decaf/tea. (Vegetarian plate is possible if requested ahead of time.)

Directions

From Harrisburg: Take Route 283. Follow 283 East to Elizabethtown/Hershey exit and turn right at the end of the

ramp onto Route 743 South. Travel south on Route 743 to Elizabethtown. Turn left on Market Street (Route 230). Go past College Avenue and turn left onto Cedar Street. Follow directions from Cedar Street below.

From Lancaster: Travel west on Route 283 to the Elizabethtown/Rheems exit. Turn left at end of exit ramp onto Cloverleaf Road and proceed one mile to Route 230. Turn right and travel west to Elizabethtown. You will be on South Market Street. Several blocks past Lemon Street, turn right onto Cedar Street. Follow directions from Cedar Street below.

From York: Take Route 30 East. Get off after crossing the river and follow Route 441 north. Turn right on Route 743. You will go through Maytown and enter Elizabethtown. Turn left onto South Market Street. Travel several blocks and turn right onto Cedar street. Follow directions from Cedar Street below.

From Cedar Street to Brossman Commons: You will see the College on your left as you cross Mt. Joy Street (4-way stop). Proceed past three campus buildings up a small rise. At the top of the rise, is a parking lot on the left. Park in this lot. Directly North (straight ahead) of this lot is Brossman Commons. It is easiest to enter Brossman Commons on the East end (right side as viewed from the parking lot). The Event Space, where the meeting is being held, is on your left as you enter the building. If the parking lot is full, additional parking is available in parking lots along and at the end of Cedar Street.

(You can access other directions to Elizabethtown College at www.etown.edu/web/directions and find campus maps at <http://www.etown.edu/campustour/campusmap>.)

February's Section Meeting

Several new goals were discussed at our Planning Meeting for 2005, held on February 1:

- An effort to upgrade more members to Senior Member of the IEEE, as well as encouraging graduating students to join as full members
- See if there is interest in revitalizing the GOLD Affinity Group (Graduates of the Last Decade)
- A goal to invite more members to join our Consultants Network Affinity Group
- A continuation of our fine record of monthly Section meetings and tours
- A look at the areas of Professional Activities and Student Activities to see how the Section can be helpful to its membership

Update on 2005 Section Volunteers

In the meeting, the following additional nominees were confirmed as part of the Susquehanna Section volunteer leadership team:

Secretary: Hossein Jula
 Newsletter Editor: Mohammad-Reza Tofighi
 Student Activities: Vittal Balasubramanian
 PACE: Roy Hoffer
 Membership Development: Art Van Gelder

PACE is an acronym for Professional Activities Committees for Engineers.

We are certainly pleased with our expanded volunteer leadership team, and encourage all members to come out and enjoy our section dinners and programs. We would love to see you there every month.

Consultants Network

If you are a consultant, work for a consulting organization, or have some current/future interest in the consulting arena, consider joining our monthly call-in meetings by no-travel-required 800 number conferencing. We seek to promote our mutual interests while furthering the goals of the local IEEE Section.

Special note: by approval of the Section leadership, we will be sending invitation letters in February to the more than 100 section members associated with consulting. Look for yours.

The meetings are held on the last Monday of each month at noon (2/28, 3/28, 4/25, ...). To receive call-in details, email Stan Telson, st@qspp.com or call 717-569-6579.

Consultants Directory - Please call or refer your projects to local members of our Consultant's Network in the directory, below (Attend meetings to be added to the directory.):

- Roy Hoffer, P.E., CFEI - 717-569-9332 - Forensics, Fires, Product Defects
- James E. Hooper, CISSP - j.e.hooper@ieee.org - Computer Security, Electronic Systems

- Ron Locati - rlocati@connectorconsultants.com - Electromechanical Devices, Electrical Connectors
- Stan Telson - st@qspp.com - Technology Strategy, Predictable Results
- Joe Wible - jbwib1@aol.com - Internal Combustion

Useful Information Column

Susquehanna Section Chair

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Webmaster

David Sarraf
david.sarraf@paonline.com

Q/A-C Column

Do you have any questions or comments? Call, email or FAX it to our Chair at the above addresses.

Newsletter Mailing or WEB Page Notification

If you do not receive your Newsletter, please notify AB Shafaye mes121@psu.edu or Mohammad-Reza Tofighi mtofighi@psu.edu. If you would like to convert from paper copy mailing of the Newsletter to WEB page delivery, please notify AB Shafaye, who serves as our Publisher.

Address Changes and Updates

There are several ways to correct member information with IEEE. They update their directory from the information you provide, and pass the changes to us monthly. Keeping your address information up to date will ensure accurate mailings.

There is a WEB based interactive "change of address" form at: <http://services1.ieee.org/membersvc/coa/intro.htm>

You can send an email to: address-changes@ieee.org

Call IEEE Member Services at 1-800-678-IEEE

Mail changes to

IEEE

445 Hoes Lane

P.O. Box 1331

Piscataway, NJ 08855-1331

FAX changes to 1-732-981-9667

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<p>Current Officers Chair Ed Simoncek Vice Chairs - Program Chairs Stan Telson, Aldo Morales Treasurer Sedig Agili Secretary Hossein Jula Newsletter Editor Mohammad-Reza Tofighi Webmaster David Sarraf</p>	<p>Awards Ernest Guenin Central PA Engineering Counsel Representatives Bob Klinger, Larry Brown Consultants' Network Stan Telson Educational Activities GOLD Coordinator Local Professional Activities Bob Klinger</p>	<p>Membership Development Art Van Gelder PACE Roy Hoffer Publisher AB Shafaye Student Activities Vittal Balasubramanian Members at Large</p>
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