



Notre Dame Chapter

The Link Newsletter

Notre Dame Chapter

A 5-Star Chapter



Visit us at:
WWW.ASM-ND.ORG

MEETING – MARCH 21, 2006

Our March Membership meeting will be held on the south side of South Bend. It will begin with a tour of Lock Joint Tube, hosted by LJT president Mike Lanciotti. As it is also Past Chairmen's Night, the chapter will buy dinner for each of our esteemed past chairmen at Maxi's Barn, less than ¼ mile away. Of course, guests are welcome, but reservations are necessary.

The meeting agenda includes election of officers proposed by your Board for 2006-2007:

- Chairman: Jim Hendricks
- Vice-Chairman: Randy Griffith
- Secretary: Tim Conrad
- Treasurer: Rick Gordon
- Board members – term ends 05/09:
Bob Meryfield, Sally Zwonitzer.
- Board members – term ends 05/08:
Larry Lapp*, Rick Rateick
- Board members – term ends 05/07:
Jim Chan*; Dave Coulston

* denotes incumbent

A door prize drawing for tickets to the Ivy Tech Culinary Arts school six-course Spanish gourmet dinner on 3/31 is a special feature. Tickets, worth \$100 each, will be offered in pairs of two.

ABOUT LOCK JOINT TUBE

Lock Joint Tube, Inc. makes small diameter welded mechanical tubing of varying wall thickness and section geometry from many different grades of hot rolled pickled and cold rolled steel. Wall thickness runs from 18 gauge to 0.200", and OD's from ¾ to 6". We will see the LJT main plant on Ireland Road; they also have a plant on Walnut Street and other locations in Temple TX and Chattanooga TN. There is a strong focus on store fixtures, automotive applications, and tube fabricators, but their customer base is much wider given their ability to produce tight tolerance and chrome plating quality tubing.

Date: March 21, 2006

Time: 6:00 p.m. (EST) Tour
7:00 p.m. Dinner

Tour: Lock Joint Tube, Inc.
515 West Ireland Road
South Bend, Indiana

Dinner: Maxi's Barn
114 West Ireland Road
South Bend, Indiana

Price: \$20.00 per person

Dinner selections:

- 12-13 oz. NY Strip with salad, potato, and garlic toast, or
- Lake Perch with salad, potato, and garlic toast, or
- Twin chicken breast (either charbroiled with honey BBQ or plain) with rice and salad

Drinks and dessert are available at extra cost.

To make reservations:

Phone Jim Hendricks at 574-532-9237 (e-mail: James.Hendricks@amgeneral.com), or call Jon Oram at 574-236-5161 (e-mail: jono@steelwarehouse.net) by March 17.

Directions

Ireland Road runs east-west and both the LJT plant and Maxi's are west of Michigan Street and east of the Ireland Road bridge over the US20/US31 Bypass. Thus you can exit the Bypass at Michigan Street and proceed north to Ireland, turning left (west.) LJT is on the north side about a half-mile away. If coming south on Olive/Locust Street, turn left at Ireland and go about a mile.

Chapter Officers: Jon Oram – *Chairman* (574) 236-5161; Jim Hendricks – *Vice Chairman* (574) 532-9237; Lori Culver – *Secretary* (269) 923-3855, Walt Hornberger – *Treasurer* (269) 683-5208; Charles Parker – *Past Chairman* (574) 231-2810;
Board Members: Ed Cataldo, Jim Chan, Rick Gordon, Frank Metelka, Larry Lapp, Rick Rateick

Next Board Meeting

Tuesday, April 4, 6:00 P.M.

Mister Moo's Restaurant

3101 Lincolnway West, South Bend

(574) 233-6722

April Meeting

Rick Rateick will give a presentation on Corrosion Electrochemistry from a historical, basic, and practical viewpoint. Given Rick's entertaining style, you will laugh and learn. The meeting location will be Greenfield's Restaurant at Notre Dame; the dinner is a Polish Wedding Buffet. Installation of officers for 2007-08 will precede the lecture.

Last Meeting

In lieu of our regular February meeting we encouraged members to attend the Engineers' Week dinner at the Century Center on March 4th. After an all too brief social hour, we dined on chicken piccata Milanese style with members of eight other engineering societies in the Great Hall. After dinner, we moved to the Bendix Theater where our Chairman introduced the featured speaker, Mike Thienemann of Whirlpool.

Dr. Thienemann, a physicist, serves the Whirlpool Corporation as Executive VP and Chief Technology Officer. He traced the evolution of the powered washing machine from the Upton brothers' original design, a wooden tub equipped with a paddle and electric motor to the highly engineered devices of today that greatly conserve both water and electricity. Mike broke the technological advances into 35 to 40-year steps, and stressed that over the last 15 years technology was expanding, not merely refining a fully developed product. He gave us a glimpse of the future – washing machines that clean without water and thus don't require a dryer.

He closed noting the requirement that engineers of all disciplines need a systems approach to be successful, and that both the US and the world need more engineers to solve current and future problems. His upbeat and thoughtful presentation was met with much applause.

SPECIAL NOTE: Our Secretary, Lori Culver, gave birth to her second child, Evan, on 2/21 meaning your Chairman is the *Link* author. Any errors are therefore mine. - Jon

April Educational Seminar

There are two additional pages in this e-mail detailing the seminar – scope, cost, logistics, and location. Check it out, but remember:

Cost of Seminar = **\$185**

Cost of Seminar if paid by April 1

(no joke) = **\$135.**

Students under age 29, by 4/1 = **\$95.**

Student scholarships are available.

Contact: Rick Gordon 574-273-1470 or e-mail rgordon@baoanusa.com

Invitation: ASM Materials Camp

- Do you know any bright high school students who will be entering the junior (Grade 11) or senior (Grade 12) grade next fall? Are they inquisitive learners with strong math and science aptitude?
- What about a teacher of high school math, science or technology, who is eager to teach and motivate young people in exciting new ways?
- If so, you know a perfect candidate for the **ASM Materials CampSM**, a program utilizing hands-on learning principles of applied math, chemistry and physics led by a distinguished world-class faculty.
- ASM Materials Camp-Teachers demonstrates how to use low/no cost, simple labs and experiments using everyday materials that can be integrated into existing science/math lesson plans. These simple activities and experiments are proven to actively engage students in learning more about applied science.
- Contact any Board Member for additional information.

Invitation: ASM Notre Dame Chapter Scholarship

The ASM Notre Dame Chapter offers annual undergraduate scholarships to children of chapter members, for study in materials or materials-related fields. The scholarship is for one year and is renewable. The minimum scholarship is \$500. We encourage all qualified children of chapter members to apply. The application is at <http://www.asm-nd.org>

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Material Characterization Techniques

A full-day seminar presented by

John Giles, Honeywell Aerospace

Nick Bulloss, Honeywell Aerospace

Sponsored by ASM International, Notre Dame Chapter

<p>Course Date: April 19, 2006 9:00 a.m. to 4:00 pm</p> <p>Course Location: Ivy Tech State College 220 Dean Johnson Blvd. Room 2152 South Bend, Indiana 46601-3415</p> <p>Course Cost: \$135 on or before April 1, includes lunch and all course materials, \$185 thereafter. Full-time students* \$95 on or before April 1.</p>	<p>Course topics:</p> <ol style="list-style-type: none"> 1. General Principles of Analysis 2. Proper Sequence of Techniques 3. Do's & Don'ts of Sample Acquisition/Handling 4. Analytical Techniques, including: SEM/EDS, WDS, EPMA, EBDS, TEM, AES, ESCA/XPS, SIMS, XRD, XRF, FTIR, SAM, AFM
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Who should attend:

Anyone concerned with characterization of materials. Anyone in material development or failure analysis. Managers who have staff performing material characterization. Technicians working in materials labs desiring exposure to other techniques they don't usually use.

What you will learn:

- The purpose of this class is to provide an overview of various material characterization techniques, concentrating in the areas of electron optics, surface analysis and atomic scale probes including
 - Description and overview of techniques
 - Sample requirements
 - Examples of data output
 - Pro's & Con's of individual techniques
 - Practical examples of use

About the instructors

John Giles is an Engineering Group Leader with Honeywell International. He has a BS in Materials Science & Engineering from the University of Florida and has over 19 years experience in working with aerospace materials and materials characterization techniques. Areas of expertise include electron microscopy, failure analysis, corrosion, materials characterization techniques, materials selection, applications engineering and precision cleaning processes.

Nick Bulloss is a Metallography Laboratory Manager in the Honeywell Engineering Test Services Organization. Nick has a PhD and BSc in Geology and an MSc in Geochemistry. Nick has worked in material characterization for 15 years, including the chemical and structural characterization of geological, medical, fiber optic and aerospace materials. Nick specializes in electron optic and x-ray microanalytical methods including scanning electron microscopy, EDX, WDX, electron microprobe analysis and electron backscatter diffraction (EBSD).

Registration form:

Send to: C. Richard Gordon, Baoan International Investment Co., Ltd., 15452 Bryanton Ct., Granger, IN 46530

Phone: 574-273-1470, e-mail: rgordon@baoanusa.com

Please register me for the Material Characterization Techniques Course, sponsored by ASM International, Notre Dame Chapter.

Please make checks payable to: ASM Notre Dame Chapter

Name:		Company:		
Address:		E-mail:		
City:	State	Zip		Course Fee: \$

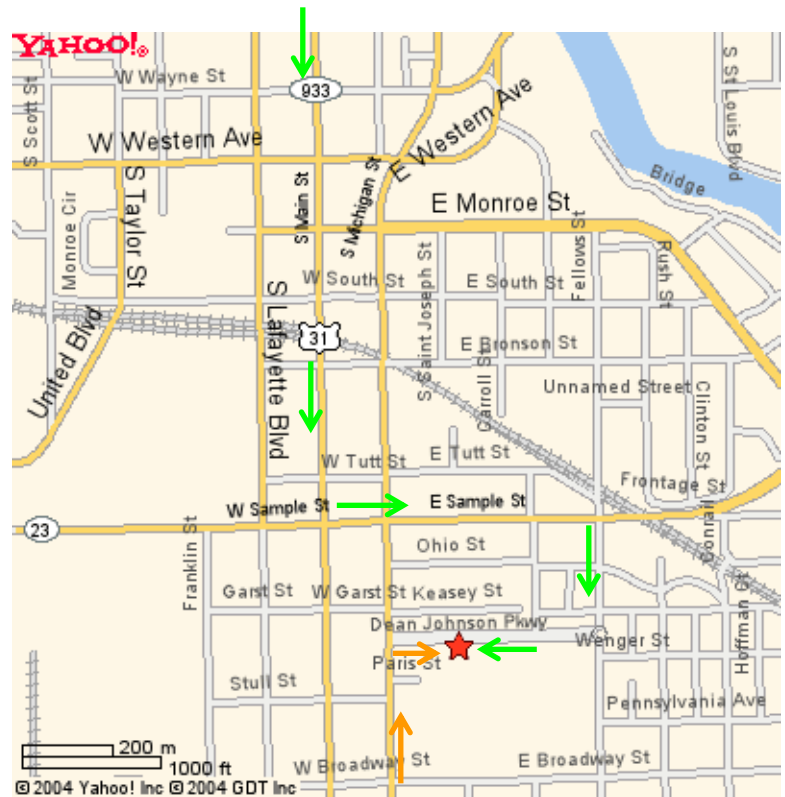
Fee: \$135 if postmarked on or before April 1. \$185 thereafter.

*Full-time students (with ID, under 29 years of age) \$95 on or before April 1.

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Directions to Ivy Tech State College:



From the South, follow business 31 to Dean Johnson Blvd. Turn right and right again into the parking lot.

From the Indiana East-West Toll Road, I 80 / I 90. Take exit 77. Follow US 933 also business 31 south, to Sample Street. Left (east) to Fellows St. Right (south) to Dean Johnson Blvd. Right (west) and then left into the parking lot.