



Notre Dame Chapter

The Link Newsletter

A Five Star Chapter



Tour:

Manufacturing Technology Inc.

September 25, 2007

The Notre Dame Chapter of ASM International will kick off the 2007 – 2008 season with this tour of MTI's manufacturing facility. According to the MTI website (visit <http://www.mtiwelding.com>), MTI is ISO 9001 certified, and offers the widest range of inertia and direct drive friction welders available today - from 500 lb. to 4,500,000 lb. of weld force.

Friction welding is fast, often requires relatively little joint preparation, and can be used to join dissimilar metals. MTI has customers in the agricultural equipment, automotive, aerospace, and oil industries. Its equipment also serves in the military and other applications.

MTI is the only manufacturer of large in-service friction welders with capacity over 300 tons. The company offers design resources, research and development, and contract welding services for industries with variable or low volume needs. If you've never seen metals joined by this method, you should see this!

To improve our delivery of the LINK, and reduce our postal costs, please provide a current e-mail address to the Chapter Secretary, John Ullman (john.ullman@honeywell.com)

Tour

Date: Tuesday September 25, 2007

Meeting Time: 6:00 PM Tour, 7:15 PM Dinner

Meeting Location: Manufacturing Technology, Inc., 1702 W. Washington St. South Bend, IN (see directions on page 2 and maps on page 3).

Dinner Location: Tippecanoe Place, 620 W. Washington St., South Bend, IN

Dinner Choice: Sirloin, Chicken and Pasta, or Fish (Tuna). Coffee, tea, or milk included in cost (otherwise cash bar).

Cost: \$20, \$10 for students

Parking: at the Tippecanoe Restaurant

To Make Reservations: RSVP by September 21: Ph. (269) 982-2266 or mailto:david_coulston@leco.com (david_coulston@leco.com)

Materials Musings

Scientists can distinguish between polar bear populations by comparing the amount of cadmium, mercury and other metals in their body tissues. They've expressed concern about the possible extinction of the polar bear due to shrinking ice floes and global warming.

Before you crank up the endo gas flow on that hardening furnace or dump that plating tank, give it some thought. We are the architects of our children's world.

Meeting Schedule for the 2007 to 2008 Year

The meeting schedule for the year has evolved a bit since the last Link. It can be found at the ND Chapter home page (note that we have a new domain name: our address is now <http://www.nd-asm.org>).

Next month's meeting will be held on October 16, 2007. The topic is: **The History of Copper**. The probable dinner location is Maxi's Barn in South Bend.

Chairman's Welcome

Welcome members to the 2007-2008 season of the Notre Dame Chapter of ASM International. I look forward to a successful year of meetings and educational opportunities for you. The chapter does face challenges this year with finding new members to join our society as well as taking an active role in the operation of the month to month activities of the chapter. I am confident that this challenge can be met and the Notre Dame Chapter can continue to be a relevant part of the materials engineering community of the Michiana area.

Randy Griffith
Chairman, 2007-2008

Driving Directions to Manufacturing Technology, Inc.

From the 31 Bypass

Take Western Ave. (SR2) east to Olive St. Turn north (left) on Olive St. and go across the railroad tracks. Turn east (right) on Washington St. and proceed to 1702 West Washington St.

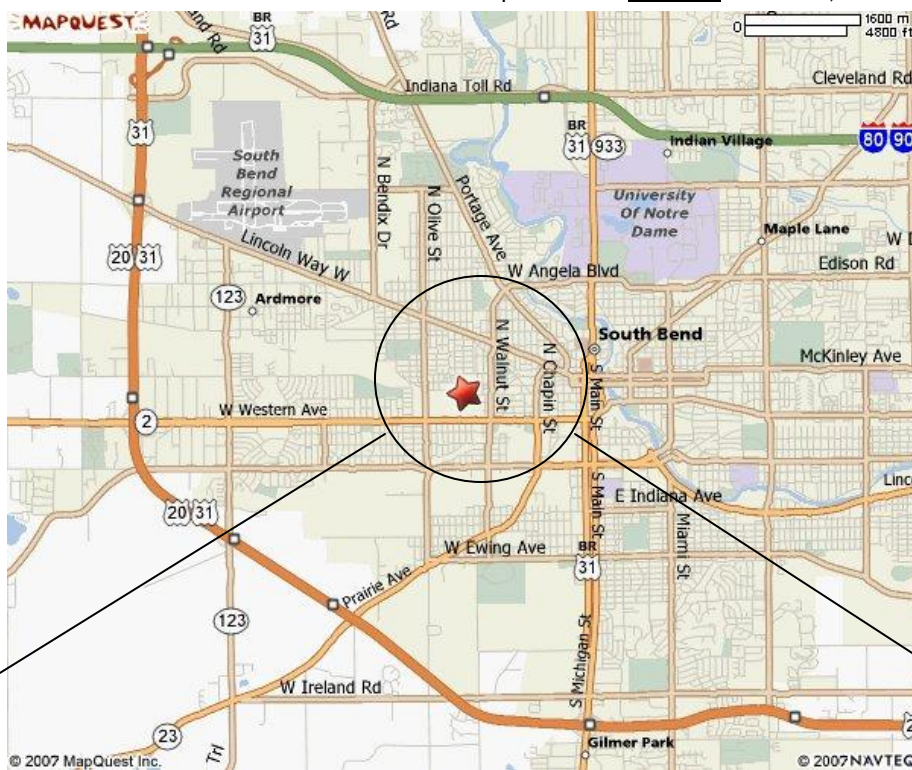
Or: Take the SR23 exit from the 31 Bypass and drive northeast to Olive St. Turn north (left) on Olive St. and proceed as above to Washington St.

From Downtown South Bend

From Bus. Route 31 (933), drive west on Washington St.

Driving Directions from Manufacturing Technology to Tippecanoe Place

Drive 11 blocks east on Washington St. toward downtown South Bend. Turn right into the restaurant's driveway at 620 W. Washington St. (parking lot).



Chapter Officers: Randal Griffith – *Chairman* (574) 231-2807; Dave Coulston - *Vice Chairman* (269) 982-2266; John Ullman – *Secretary* (574) 231-2859, Rick Gordon – *Treasurer* (574) 272-9209; Jim Hendricks – *Past Chairman*, Al Miller – *Student Advisor*; **Board Members:** Walt Hornberger, Bob Merryfield, Rick Rateick, Tim Conrad