



American Society of Mechanical Engineers - Fox Valley Section

Digital Radiography

Mechanical & fatigue performance of steel castings in the presence of porosity

Joint Meeting with ASNT, Chicago Section
Flame Restaurant, Countryside, IL
Monday, March 13, 2006

SPEAKER:

Dr. Richard Hardin, Solidification Laboratory, Department of Mechanical Engineering, University of Iowa

Dr. Hardin has worked at the University of Iowa in the Department of Mechanical and Industrial Engineering for the past 12 years, where he is now an Associate Research Engineer and Adjunct Associate Professor. He earned his Ph.D. in Mechanical Engineering from the University of Kansas in 1994. During his graduate work he was a Fulbright Scholar, studying for a year in Germany at the Universität Stuttgart.

MEETING DESCRIPTION:

Dr Hardin will discuss porosity measurement using radiography and microscopy to assist in the development and validation of improved porosity prediction in computer modeling of the casting process. The work also incorporates the computed effect of porosity on strength and service/fatigue life of castings. Discussions will include the criticality of defect size/porosity and the detection of such defects by radiography.

LOCATION AND DIRECTIONS:

Flame Restaurant, 803 Joliet Road, Countryside, Illinois 60532 Tel: 708-352-3442

The restaurant is located at the northwest corner of Brainard & Joliet. Please see attached map for details.

SCHEDULE: 6:00 PM Registration and Cash Bar
7:00 PM Dinner
Presentation will follow dinner

DINNER: Choice of Glazed Chicken, Butt Steak, Orange Roughy or Vegetarian Pasta
Includes: salad, rolls, vegetables, dessert, and choice of entrée

COST: \$20.00 payable at the door, by check or cash

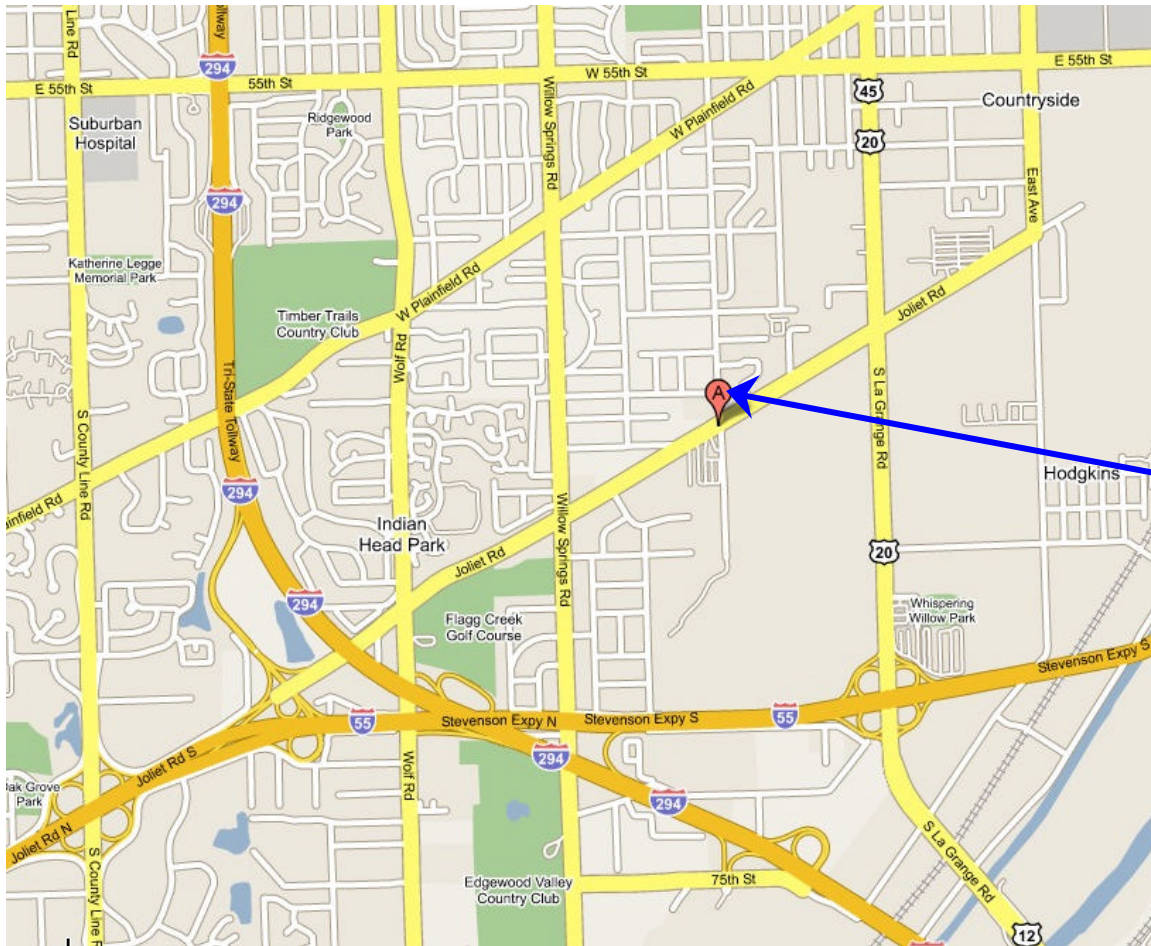
RESERVATIONS:

Send email to mjm@packereng.com with the subject 'ASME March Meeting Reservation' and include your name, phone number, ASME membership number, company name, address and choice of entree. If you do not have email access, call (630) 505-5722, and leave a message stating this is a reservation for the ASME Meeting on March 13th and include the above information.

DEADLINE:

Noon on Wednesday, March 8, 2006. Please cancel if your plans change. Reservations not cancelled by the deadline may be invoiced cost of dinner.

MAP:



Flame
Restaurant