



# Worcester County IEEE

## Newsletter

April

2001

### **The Annual Joint Meeting of the ASME - IEEE – SME**

**Tuesday, April 10, 2001, Higgins House, WPI, Worcester**

This year's presentation will be "The Shrewsbury Middle School Participation in the FIRST Lego League Mindstorms Robotics Competition - Volcanic Panic".

Talk free, optional dinner at \$18.00 per person. Reservations are required. Call Janice at the WPI Mechanical Engineering Department: 508-831-5425.

Worcester Section and WPI Chapter Joint Meeting

### **Web Page Engineering**

**IEEE Distinguished Visitor Presentation**

**James D. Isaak, Senior Member IEEE**

**Tuesday, April 24, 2001, 6PM to 7:30 PM, WPI, Worcester**

This talk will provide an overview of recommended web page engineering practices that aid in the creation of web sites that are productive and maintainable

IEEE Worcester County Section

### **Bowling Engineers Part 2**

**Larry G. Nelson Sr.**

**Friday May 18, 2001, 6:30, dinner at 7:00, Lics's/Mohegan Bowling, Webster**

We will start our evening with a Buffet Dinner then move into the attached bowling alley to bowl two strings of candlepin bowling with shoe rental included. The cost for this evening of fun and food is \$10.00 per person. We need an accurate count by May 7.

SME Chapter 025 with IEEE Worcester County Section

### **13<sup>th</sup> Annual Golf Play Day**

**Saturday, June 16, 2001, 7:30 AM Tee Off, Heritage Country Club, Chariton**

June 14, 2000 Cutoff Date. Make Checks Payable to SME Chapter 025 (Scholarship Fund).

## **Web Page Engineering**

**James D. Isaak, Senior Member IEEE**

**IEEE Distinguished Visitor Presentation**

Creating web sites is easy; kids can do it. Web sites can be flashy and fun. However, a poorly engineered web site can be expensive to maintain, difficult to navigate, and even a legal liability. As with so many

aspects of engineering, "do it right the first time, or do it over (and over and over)." Building on the work of the Web Consortium and the Internet Engineering Task Force, and drawing on the experience and insight of a wide range of real-world web site developers and web-masters, the IEEE CS Internet Best Practices working group has documented the best practices for

web page engineering (IEEE Standard 2001-1999) and is currently revising this work to accommodate both rapid changes in the technology and better understanding of what techniques exist.

This talk will provide an overview of recommended web page engineering practices that aid in the creation of web sites that are productive and maintainable. Topics include: Design and Life cycle Considerations; Audience and objectives; Client/Server technology, (X) HTML, CSS, XML - Versions and Variations; Legal Implications (Intellectual Property Rights, Copyright, Trademarks, Proprietary Information); Accessibility – for disabled persons, privacy; Server, HTTP - performance, metrics, robot exclusion, ease of use; Metadata — Dublin Core, PICS, Robots, Keywords, bandwidth impact; Dates - Year 2000, Maintenance; International considerations — language, practical considerations, and legal awareness.

If experience with the POSIX standards is any indication (after introduction of the IEEE POSIX standards a decade ago, the market for UNIX systems expanded by about \$80 billion), wide-spread use of the documented best practices for web page engineering should contribute greatly to the value and utility of the web, especially given the broader application and longer period of impact that this work will have.

Sponsor: IEEE Computer Society Distinguished Visitor Program

James D. Isaak (<http://Jim.Isaak.com/>), a Senior Member of the IEEE, was most recently the Director of Information Infrastructure Standards at Digital Equipment Corp. He is currently a member of the Computer Society's Board of Governors and has served as Vice President for Standards (1995-1998) and Technical Activities (1999). He has authored numerous articles on open systems and one on the Information Highway as early as 1978 (Computer, Oct. 1978).

The presentation will take place at WPI on April 24, 2001 in Room AK 116 (Atwater Kent) from 6PM to 7:30 PM.

## **13th Annual Golf Play Day Society of Manufacturing Engineers**

SME Chapter 025, Public Invited, June 16, 2001 7:30 AM Tee Off, Heritage Country Club Sampson Road, Chariton MA Off of Route 20 Telephone (508) 248-5111 in case you get lost

Florida Style, Shot Gun Start, 7:30 Tee Off Time \$70.00 Includes: Greens Fees, Carts, Steak Dinner, and Prizes, \$16.00 For Dinner Only Must sign up at 7:00 am for Cart Assignments

For Tickets Contact: BOB HANNA, (508) 869-2106 Refco or JOHN VOLUNGIS (508) 852-0200 Jamesbury. Make Checks Payable to SME Chapter 025 (Scholarship Fund). June 14, 2000 Cutoff Date to Register

## **Bowling Engineers Part 2**

### **Larry G. Nelson Sr.**

Here we go again...

On Friday May 18, 2001 the IEEE Worcester County Section will host Bowling Engineers in Webster Mass starting at 6:30 PM. A cash bar is available. Dinner starts at 7:00. We will start our evening with a Buffet Dinner at the Lic's Restaurant just off exit 1 of Rt 395. The meal will consist of the following:

- Roast Beef
- Baked Haddock
- Roast Turkey (all white meat)
- Baked Potatoes
- Rigatoni
- Tossed Salad with Fat Free Italian dressing
- Corn
- and Ice Cream Sundae for dessert
- Coffee, Decaf and tea.

I have been assured no one will leave hungry.

After dinner we will move into the attached bowling alley to bowl two strings of candlepin bowling with shoe rental included.

The cost for this evening of fun and food is \$10.00 per person. For those who wish to bowl more than two

strings, arrangements have been made to have some lanes available for a nominal fee.

If you are interested please let me know as soon as possible so I can inform them of a count. Please make checks payable to Worcester County Section IEEE. This is open to IEEE members, friends, and family. All are welcome but we do need an accurate count by May 7. While I prefer to be contacted by email you can call me at 508-943-1075.

Directions: From Worcester go west on 290 to Rt 395 South in Auburn. Get off exit 1 on RT 395 in Webster (if you enter CT you missed it). Turn right at end of ramp on RT 193N / Thompson Road, Go thru traffic light, Lics's / Mohegan Bowling will be 1/2 mile on right, just past Police / Fire Station. Enter the banquet facility from the rear of the building.

Larry G. Nelson Sr.

mailto:L.Nelson@ieee.org

<http://www.ultranet.com/~nr>

## **The Annual Joint Meeting of the ASME - IEEE – SME**

The Annual Joint Dinner Meeting of the Worcester Section of the IEEE, the ASME, and the SME will be held at the Higgins House, on the campus of Worcester Polytechnic Institute, on Tuesday, April 10, 2001. The optional dinner at 7 p.m. will be preceded by a social period at 6:30 p.m. The choices for dinner are Chicken Picata or Scrod for \$18. The presentation will begin at 8 p.m. For further information and reservations, call (508) 831-5425.

Date: Tuesday, April 10, 2001

Times: 6:30 PM - Social Period

7:00 PM - Dinner (Chicken or Fish)

8:00 PM - Presentation

Place: Higgins House

Worcester Polytechnic Institute

Salisbury Street

Worcester, Mass

Cost: Talk free, optional dinner at \$18.00 per person

Reservations are required. Call Janice at the WPI Mechanical Engineering Department: 508-831-5425.

This year's presentation will be "The Shrewsbury Middle School Participation in the FIRST Lego

League Mindstorms Robotics Competition - Volcanic Panic". A team of Shrewsbury Middle School students, and coaches consisting of three High School students, a teacher, and an engineer, designed and built a Lego Mindstorm based robot that was entered into FIRST Lego-Mindsorms Robotics Competition "Volcanic Panic". The team will come talk about what this project was, what they learned, and what they hope for in the future. They will also demonstrate the robot and share their presentation. This promises to be a very entertaining and informative meeting.

Higgins House is located on the northwest part of the WPI campus, off Salisbury Street. There is no parking at Higgins House, so please park on West Street, or in the area parking lots.

Directions: From I-290 northbound, take the Belmont Street/Lincoln Square exit (exit 17), and turn left, follow through WPI campus. At the intersection with Salisbury Street, turn left, the first left is the entrance to Higgins House. From I-290 southbound, take exit 18, bear right at the end of the ramp, then take the next right, proceed straight, merging with Salisbury Street. Continue west on Salisbury Street until the WPI campus is on the left. Parking may be found on Salisbury Street or on West Street. The entrance to Higgins House is the first left after West Street.