Region 4

Southeastern Michigan Computer Chapter

IEEE Embedded System Workshop

October 13, 2012, 8:30 a.m. to 5 p.m. (Saturday)
Dodge Hall – Room 201
Oakland University
Rochester, Michigan 48309

IEEE South East Michigan Computer Chapter and Oakland University are offering a one-day **(free)** workshop on Embedded Systems. This is a **free** workshop open to all engineers, students. and applications. The aim of this workshop is to disseminate knowledge, benefit the IEEE members and indirectly **improve the technology and Michigan economy**. Speakers and experts from the embedded systems industry will be making presentations, and will also be available for discussions and networking throughout the day (see page two for a tentative agenda). Please be sure to publicize this event in your organization for maximum participation in this workshop.

Limited seating is available. Please confirm your participation with Prof. Ganesan by **registering on the web: http://ewh.ieee.org/r4/se_michigan/cs/ or https://meetings.vtools.ieee.org/meeting_registration/register/13491** and if there is problem via email**: ganesan@oakland.edu.** When responding, please indicate *your lunch preference: turkey, chicken or cheese sandwich.* For Technical questions, contact: **Prof. Subra Ganesan at: ganesan@oakland.edu or by phone: 248 370 2206.**

Register and attend for a chance to win multiple door prizes.

Certificate of Attendance will be available for participants who do preregistration and attend the full event.   *(Must be present to win)*

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2012 Agenda

1.   Registration and Coffee   8:30- 8:50 AM

2.   Welcome by Dr. Subra Ganesan, IEEE SEM CS chapter Chair,   8:55 AM

3.   Inauguration by VP and Provost,

        Dr. Louay Chamra, Dean SECS, Dr.Dan Aloi, Chair ECE,Oakland University   9:00 - 9:10

4.   "PC-based validation of ECU software, Wyatt Sean , ETAS   9:10- 9:55 AM

⬚   "Advances in Vehicle networks " S. Prasad, DG Technologies   9:55 to 10:45 AM

           Break   *10:45 to 10:55 a.m.*

6.   "802 on Wheels: Automotive goes Ethernet" Dave Robins,

        Intrepid Control Systems   10:55 to 11:40 AM

7.   Tools for development of software: a look at Infotainment system

        and under the hood ECU interface" Thierry Rolina, Elektrobit   11:45 to 12:30

        **Drawing for Door Prizes, **

Complimentary Boxed Lunch from all sponsors. Networking Session   *12:30 to 12:55 p.m.*
Vendors' informal Job- career opening information

8.   "Managing Complexity with Model Based Design, John Mills,

        Simuquest Inc .   1:00 to 2: 00 p.m.

9."   Tracking changing requirements and design changes during Embedded System development "

         IBM,   2:00 to 2:40PM

10.   **"A basic Approach to Embedded Software Architecture"**

         Salvador Almanza, Vector CANTech inc   2:45 to 3:20

         Break   *3:20 to 3:30 p.m.*

11.   " **Advances in DSP processors and use of Beagle Board" Subra Ganesan 3:30 to 4:15** pm

        Drawing for Door Prizes, Tablet/digital camera/MP3 Player

    12. Closing Remarks and Vote of Thanks: 4:15 to 4:30 p.m.

Direction to Oakland University: Take I 75 North, Take Exit 79 East. You will find the university within a mile. Parking is Free. Look for Dodge Hall Room 201.

Industry sponsors (Intrepid Control Systems Inc, ETAS, DG Technologies, Inc, Simuquest Inc, IBM, Elektrobit, Vector CANTech…) Vendors Tables with Demos, pamphlets, Job recruiting will be available. FREE Event.,. Free Lunch. Door prizes. All welcome. Pre-registration is a must.

Do post this flyer in your office and inform your friends about this workshop. It is a great way to network with other professionals. **We need your help to make this event a success.**