



## Green Mountain Section Newsletter 2005

### Welcome

It's been a year since our last newsletter. 2004 was a very productive year for the Section. We had a number of interesting and enjoyable meetings. Our goal is to continue this trend into 2005. My main goal in 2005 will be to interact more with other institutions and professional groups in order to bring more variety to our IEEE members and also to let other groups know more about IEEE.

To this end we will continue our close involvements with UVM, supporting Design TASC and other outreach programs. In addition we are planning some joint meetings with the Vermont Society of Manufacturing Engineers (SME). We'll also continue our interactions with the Vermont Society of Engineers and the various engineering student groups in VT. If anyone wants to help with these interactions or any other section items please contact me at [jmonzel@ieee.org](mailto:jmonzel@ieee.org).

Jim Monzel, Section Chair

### 2004 Meeting Recap

In 2004 we participated in the activities of Vermont Engineering Societies especially with the engineering week activities at the end of February. A number

of well attended dinner meetings last year covered a variety of topics. A Toyota technician introduced the concept and functionality of electrical hybrid cars. Later in the year an IEEE lobbyist described his work for our organization in Washington the issues and to persuade the law makers. Also IBM vice-president and plant manager John DiToro described the business environment and future of the IBM plant in Vermont.

Peter Habitz, Section vice Chair

### Upcoming Meetings

Wednesday, May 11: Tutorials: 1) "Outlier Screening", Robert Daasch, Portland State University, 2) "Embedded Test – Enabling technology for product quality and yield management", Janusz Rajski, Mentor Graphics Corporation. The two ½ day tutorials are co-sponsored by the IEEE Green Mountain Computer Society Chapter and IBM. They are free to all Green Mountain IEEE members but space is limited. Contact Jim Monzel for details. These tutorials are offered in conjunction with the North Atlantic Test Workshop to be held May 12 – 13 at the Inn at Essex. For details go to: <http://www.ee.duke.edu/NATW/>.

Wednesday, May 18, Inn at Essex: Mechatronics in Modern Manufacturing & Continuous Casting, Val Kagan. Mechatronics is an ideology of engineering, integrating different functions of "designed things" in the same space and time. This is a joint meeting with the Society of Mechanical Engineers. Check your email for further details or contact Jim Monzel at [jmonzel@ieee.org](mailto:jmonzel@ieee.org).

### PACE and Educational Activities

The UVM 2004 TASC project provided students with a guideline for a project proposal.

Students determined their own solutions within predefined criteria. In 2004 the Vermont IEEE section cosponsored Design TASC, a hands on opportunity for K-12 students to learn about science and technology in a project setting at the University of Vermont (UVM) campus. This project measured objectives on producing a working prototype. Judgment of design objectives involved predefined criteria for cost, speed, and ingenuity. In 2004 500+ student benefited from the PACE K-12 program. In 2005, 1000+ students are expected to benefit from the PACE K-12 program. In addition to continuing support for the PACE K-12 program, this year, we are exploring opportunities to expand the scope of the PACE and educational activities to include summer programs.

For more details of 2005 and a list of the 2004 Design TASC winners go to: <http://www.emba.uvm.edu/TASC/2004>  
John Cohn, Section Education Coordinator  
Pascal Nsame, Section PACE Chair

### Membership Overview

For statistical data about our members: <http://ewh.ieee.org/r1/vermont/index.html>  
To update your IEEE member records online: <http://www.ieee.org/coa>  
Pascal Nsame, Section Secretary

### Elections for 2006 – 2007

We will hold elections this summer for the positions of Chair, Vice-Chair, Secretary, and Treasurer. These positions are for the 2006 – 2007 term. If anyone is interested in these or any other volunteer positions please contact Jim at [jmonzel@ieee.org](mailto:jmonzel@ieee.org).

In order to save money we are only planning one printed newsletter per year. Our main means of communicating section news and events will be through our email reflector.

If you want your email address to be added or deleted from the Green Mountain Section email reflector please send an email note to Pascal Nsame at [pnsame@ieee.org](mailto:pnsame@ieee.org).

Visit our website at:  
<http://ewh.ieee.org/r1/vermont/index.html>

For general information please contact any of the Green Mountain Section 2005 officers:

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Peter Habitz, [habitz@us.ibm.com](mailto:habitz@us.ibm.com)

Secretary & PACE Chair:  
Pascal Nsame, [pnsame@ieee.org](mailto:pnsame@ieee.org)

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