



IEEE

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New Orleans Section  
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TO:

# THE SECTION BITS

IEEE New Orleans Section Website: <http://www.ieee-neworleans.org/>

*Providing monthly news to Electrical and Electronic Engineers in the New Orleans Section of IEEE*



## Annual Student Paper Presentations Thursday, March 10, 2005



<b>Location:</b>	Tulane University Diboll Complex Conference Room		
<b>Time:</b>	6:00pm Cash Bar	7:00pm Dinner	8:00pm Paper Presentations
<b>Welcome:</b>	Please join the New Orleans Section of the IEEE and the Tulane University Student Branch for dinner and presentations by this year's Student Paper Contest participants.		
<b>Topic:</b>	Student presentations: 1. <b>“Design of sub-cutaneous sensor for early warning of congestive heart failure (CHT)”</b> by Minh Le (EECS, Tulane University) 2. <b>“Autonomous navigational robotics vehicle (ANROV)”</b> by Jason Reasor and Chan-yet Wong (EECS, Tulane University)		
<b>Cost / PDH Credits:</b>	\$15.00 each for Members \$25.00 each for Non-Members \$10.00 each for Retirees/Students	Student Meeting – No PDH Credits Will Be Issued	
<b>Reservations:</b>	<b>Please RSVP by phone or email your reservation to Uvais Qidwai or Michael Hymel by Tuesday, March 8, 2005.</b> Uvais Qidwai, Tel = 862-3288, Email = <a href="mailto:qidwai@eecs.tulane.edu">qidwai@eecs.tulane.edu</a> Michael Hymel, Tel = 862-3288, Email = <a href="mailto:hymel@tulane.edu">hymel@tulane.edu</a>		

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IEEE New Orleans Section Website: <http://www.ieee-neworleans.org/>



*Section Chair's Message  
March 2005  
New Orleans, LA*



Dear Section Members:

We had planned for you to receive an early and short version of the Section Bits for February because the February event was held very early in the month. Unfortunately, the Section Bits could not be mailed on time so we only posted them on our website.

On February 3-4 we participated in the Joint Engineering Societies Conference at the Hyatt Regency in New Orleans. Members had the opportunity to earn Professional Development Hours (PDH) in a wide range of technical areas covered by IEEE, ASME, ASCE, and AIChE, among others. I wish to thank my colleagues at the University of New Orleans for their strong support of this event and the numerous presentations they delivered.

This month's event will also be held early, on March 10. As is customary, the Section dedicates the March meeting to our Student Branches and will include student presentations. The meeting will be held at the Diboll Complex at Tulane University and I thank Dr. Uvais Qidway and the Tulane Branch for making the arrangements detailed elsewhere in this newsletter.

Finally, please remember to check our website often at <http://www.ieee-neworleans.org>. You may contact me at [section-chair@ieee-neworleans.org](mailto:section-chair@ieee-neworleans.org).

Edit Kaminsky Bourgeois, Ph.D.  
Chair, New Orleans Section of the IEEE

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**NEWS FROM IEEE EDUCATIONAL ACTIVITIES AND THE HISTORY CENTER**  
(1st Quarter 2005)

**REGISTER NOW FOR VINNY COMPETITION**

Named after Leonardo da Vinci, VINNY is an award given to students in grades K-12 for the best one-minute videos explaining how science, technology, engineering, and mathematics (STEM) can help solve common global problems. VINNY is a worldwide video competition designed to build awareness of STEM. Teams of 3 students and 1 teacher will identify and research a global problem and discover ways that STEM can help solve it. The teams will create a one-minute video explaining the global problem and a possible STEM solution. There are 3 levels of competition: grades K-5, 6-8, and 9-12. The award is given in both English and Spanish, for a total of 6 categories and prizes. The VINNY website is available at <http://vinny.pcs.cnu.edu>. The deadline for registration is February 15, 2005. VINNY is proudly sponsored by the NASA Center for Distance Learning, Christopher Newport University, and the Institute of Electrical and Electronics Engineers (IEEE). Funding for the project is provided by the IEEE Foundation.

**CALL FOR 2005 EAB AWARD NOMINATIONS**

The IEEE Educational Activities Board is accepting nominations of IEEE members for its annual awards. The deadline for nominations is 30 April 2005. Awards include: IEEE EAB Meritorious Achievement Award in Accreditation Activities; IEEE EAB Meritorious Achievement Award in Continuing Education; IEEE EAB Major Educational Innovation Award; IEEE EAB Pre-College Educator Award; IEEE EAB Meritorious Service Citation; IEEE EAB Employer Professional Development Award; And FOR THE FIRST TIME IN 2005 - IEEE EAB Society/Council Professional Development Award (PLEASE NOTE that the EAB Society/Council Professional Development Award is offered in odd-numbered years alternating with the Section Professional Development Award which is offered in even-numbered years).

For award descriptions, honorarium details, and nominations packets, visit

<http://www.ieee.org/organizations/eab/EABAwards/callnominations-2005.htm> For more information, contact: Rae Toscano, Manager +1 732 562 5482; Karen Kleinschmidt, Administrator, +1 732 562 5493; Email: [eab-awards@ieee.org](mailto:eab-awards@ieee.org).

## **RECORD NUMBER OF IEEE MILESTONES IN 2004**

2004 saw seven Milestones dedications, a record! These came from around the globe, and several more exciting ones are in the pipeline for approval in early 2005. Although not yet nominated a Milestone by the IEEE New York Section, in December 2004 a ceremony was held marking the addition of Philosophy Hall at Columbia University to the U.S. National Historic Landmark Survey, having been nominated by the IEEE History Center as part of a joint project with the U.S. National Park Service. Sections are urged to get involved in local history, particularly through the Milestones Program. More information can be found at [http://www.ieee.org/organizations/history\\_center/milestones\\_program.html](http://www.ieee.org/organizations/history_center/milestones_program.html).

## **HISTORICAL PUBLICATIONS RELEASED**

Also in October, the Guglielmo Marconi International Fellowship Foundation at Columbia University held their 30th anniversary banquet in Bologna, Italy, at which they presented a historical book they had commissioned from the IEEE History Center. Around the same time, Eta Kappa Nu celebrated their centennial with another historical work from the Center, this one underwritten by the IEEE Foundation.

## **ORAL HISTORIES UPDATE**

The IEEE History Center continues to collect oral history interviews with important contributors to our fields, from every corner of the world. The Center now manages over 450 interviews, with more than one half available on the Web. They can be viewed at [http://www.ieee.org/organizations/history\\_center/oral\\_histories.html](http://www.ieee.org/organizations/history_center/oral_histories.html). The entire set of History Center pages is searchable from the center's home page, [http://www.ieee.org/organizations/history\\_center/index.html](http://www.ieee.org/organizations/history_center/index.html), if, say, one wanted to see if a particular country or region was mentioned. The Center has recently begun work on a project with the IEEE Electromagnetic Compatibility Society to collect more interviews in their field, in preparation for the EMC's 50th anniversary celebration in 2007.

## **IEEE SETF – INCORPORATING STANDARDS INTO UNDERGRADUATE PROGRAMS**

Volunteers from the IEEE Educational Activities Board and Standards Association have come together and formed the IEEE Standards in Education Task Force (SETF). The goal of SETF is to help the electrical and computer engineering undergraduate programs with incorporating standards into the learning process. A grant from the IEEE Foundation was sought and supported for a needs survey and the development of proof of concept learning products during 2004 and 2005. Through the survey, roadblocks to the introduction of standards into the undergraduate learning process were identified, namely: (1) the scarcity of learning supplements to classroom instruction that would impart essential knowledge about standards and (2) the cost of access to appropriate standards. The survey respondents encouraged the creation of web-based tutorials on, case illustrations using, and a reference guide to standards, many of which are currently being developed by the SETF. These web-based learning products will be pilot tested at two academic institutions in 2005 and, after any refinements based upon the pilot testing, the web site will be made available on an open-access basis. More information about this project will be announced in the coming months.

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## **ABOUT IEEE EDUCATIONAL ACTIVITIES**

The IEEE Educational Activities Board is responsible for coordinating the educational activities of the IEEE. The volunteer and staff members of IEEE Educational Activities carry out this responsibility by developing educational programs to ensure (1) The technological literacy of pre-college students, (2) the continuous maintenance and improvement of engineering education programs through active participation in accreditation activities, and (3) the development of continuing education products and services that serve the professional development and lifelong learning needs of electro-technology professionals worldwide. For more information, visit <http://www.ieee.org/organizations/eab/> or email [education-services@ieee.org](mailto:education-services@ieee.org).

## **ABOUT THE IEEE HISTORY CENTER**

The IEEE History Center is a staff unit of IEEE that is located not at the IEEE Operations Center, but on the nearby New Brunswick campus of Rutgers, the State University of New Jersey, which cosponsors the Center's activities. The Center's mission to preserve, research, and promote the legacy of IEEE technologies is overseen by the IEEE History Committee, a standing committee of the IEEE Executive Committee. Since most of the activities in carrying out this mission are educational in nature, the Staff Director of the History Center reports to the IEEE Managing Director for Educational Activities, and Center staff work closely with EAD staff on many programs. Those interested in more information are invited to look at the Center's website ([http://www.ieee.org/history\\_center](http://www.ieee.org/history_center)) or to email the Center at [history@ieee.org](mailto:history@ieee.org).

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