

# Bulletin

*IEEE Pittsburgh Section*

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*All announcements for publication in a particular monthly bulletin are due to the Editor by the 20<sup>th</sup> of the previous month. Monthly issues of the bulletin are posted on the web site [www.ewh.ieee.org/r2/pittsburgh](http://www.ewh.ieee.org/r2/pittsburgh). The accuracy of the published material is not guaranteed. If there is any error, please bring it to the Editor's attention.*

## • From the Chair

The election for the 2006 Section officers is under way. The last day to email or send your ballot is December 1, 2005. The election committee will announce the results soon after that. The newly elected Section officers will choose various committee members who will serve the Section best in the coming year. If you would like to help in any way, please let the Executive Committee know. We are always looking for new volunteers with fresh ideas. The members of the rejuvenated PES/IAS Chapters showed that they could share responsibility and run programs effectively to win the Outstanding Large Chapter awards and, in the process, invigorate their leadership, organizational, and public speaking skills. From the interest of the participants in the PES/IAS programs in the past three years, it has been demonstrated that there is a need to continue organizing these programs, which were lacking in the preceding few years. In that way, the local engineers could stay current with the latest technologies. The task of organizing a meeting is less taxing than one might think. This newsletter explains the task step-by-step on page 6.

The PES/IAS Chapters have been run by the same 10-member Administrative Committee for the last three years. I suggest that it is time to combine these two Chapters administratively. I solicit your input on this matter.

The November Executive Committee meeting was held at the University of Pittsburgh's Greensburg Campus. Patrick Wolfe who won a book scholarship gave a state-of-the-art presentation titled "Man and Machine Intertwined." Prof. Guy Nicoletti hosted the event. So far this year, the Section has given book scholarships to students from four universities and would like to extend it to the students from other local universities. The scholarship consists of a plaque and a check for \$500.

Before closing for the year, I would like to thank the membership of the IEEE Pittsburgh Section, particularly the Chapter and Committee members for their continuing support throughout the year. My special thanks go to the Newsletter Editor, Jace Cochrane, and Webmaster, Andrew Novotny, for showing the courage to step in when help is needed and performing a fabulous job. We must not forget the quiet contribution of Charles Baker who provided facilities at Westinghouse for most of our meetings.

Season's Greetings to you all!

Kal Sen

### Section

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• **Seagate Research and Disc Drives**

Sponsor: Life Member Chapter  
 Speaker: Dr. Mark Kryder, Chief Technology Officer, Seagate Research  
 Dr. Kryder's reputation as a technology leader and his commitment to establish a world-class research center have proven to be an attractive combination for bringing some of the best talent in the industry to Seagate and Pittsburgh.

Date: Thursday, December 8, 2005  
 Time: Lunch 12:00 Noon  
 Life Member Chapter Meeting 12:30 PM  
 Presentation and Tour: 1:00 PM

Place: Seagate Research Building, 1251 Waterfront Place, Strip District, Pittsburgh  
**RSVP:** It is not required, but for planning please let us know by Dec 2 if you plan to attend. Last minute attendees are always welcome. Email: [r.d.grimes@ieee.org](mailto:r.d.grimes@ieee.org)

Directions:

The Seagate Research Building is located across from the Heinz History Center in the Strip. Access is by 12th St from Penn Ave or Smallman St. Park in Visitors Parking. If that area is full, park in the gated parking area. Use the “call” button for access and say that you are there for the IEEE meeting with Dr. Ganping Ju.

The main entrance/front desk is at the west end of the building toward the point. Check in and use Dr. Ganping Ju as your Seagate contact. You will be directed to the Café. If you are not eating lunch with us and arrive later, you will be directed to the conference room.



Seagate Research Center, view from the Allegheny River



• **Computer Society Meeting**

A tour of SunGard in the Strip District is being planned for Wednesday, January 18, 2006 for Computer Society members and others who are interested. Save the date. Full details will be in the January bulletin.

- ***Consultants Network Meeting***

If you are a consultant offering engineering services or thinking about becoming one, the Consultants Network (CN) is for you. Network with other consultants and be included in CN's on-line listing of consultants, which is used by companies in need of consultants.

The next meeting of the Consultants Network will be held **Tuesday, January 24, 2006**. Mr. Mike Sylvester of AllTek Staffing and Resource Group will make a presentation geared for consultants looking to expand their business. More information about the meeting will be provided in the January bulletin. The meeting will be held at the Westinghouse Energy Center.

AllTek Staffing and Resource Group is a major technical consulting firm in the Pittsburgh area. AllTek is strictly focused on filling professional technical positions, both contract and permanent, in the greater Pittsburgh manufacturing, engineering, and construction industries. All engineering and IT disciplines are served.

***Directions to Westinghouse Energy Center***

From Pittsburgh, take Interstate 376 East (Parkway East). Take Exit 14A to Monroeville. Cross Business Rt 22 at the traffic light and proceed on Rt 48 South (Moss Side Blvd) approximately ½ mile (two traffic lights). The second traffic light is at a four-way intersection with an Exxon Station on the right and Sunoco station on the left. Turn left onto Northern Pike. Proceed approximately 0.2 miles and turn right at the first traffic light onto Westinghouse Drive. Travel 0.7 miles (past the guard stand) to the three flags where the building's main entrance is located. Parking in the evening will be plentiful. Use the main entrance and check with the security guards inside. You will be directed to the proper auditorium for the presentation.

If traveling the PA Turnpike, take Exit 57 (Monroeville). After the toll plaza, get in the left lane to get on Business Rt 22 West. At the first light, turn left onto Rt 48 South (Moss Side Blvd) and follow the above directions.

- ***Engineering in Medicine and Biology***

A panel discussion with medical device industry professionals, sponsored by the Pittsburgh EMB Chapter, was held on November 30 at Pitt's Oakland Campus. It was announced via email to IEEE Pittsburgh members. Panel members were from Medrad, Inc and Cardiac Assist Technologies. Professor Patrick Loughlin of Pitt served as moderator.

- ***Lean Manufacturing***

The Pittsburgh Chapter of the Industrial Applications Society is organizing a seminar on Lean Manufacturing. Please indicate your interest in speaking or attending by contacting Chuck Urso at [curso@llitechnologies.com](mailto:curso@llitechnologies.com) or (412) 338-4871.

- ***Communications Chapter Meeting Cancelled***

The meeting scheduled for November 11, 2005 entitled "Enabling Secure Communications in Sensor Networks" had to be cancelled due to an emergency in the speaker's family. If the meeting can be rescheduled, it will be announced in upcoming bulletins.

- ***2006 PES Chapter Outstanding Engineer Award***

The Power Engineering Society of IEEE Pittsburgh Section is seeking nominations from local IEEE PES members for the 2006 PES Chapter Outstanding Engineer Award. The Outstanding Engineer Award is designed to recognize members of the Pittsburgh PES Chapter who have made outstanding contributions to their profession through their technical abilities. The nominees will be judged on the basis of their activities during the past two calendar years (2004 and 2005). Please submit your nominee or nominate yourself, by providing the following information:

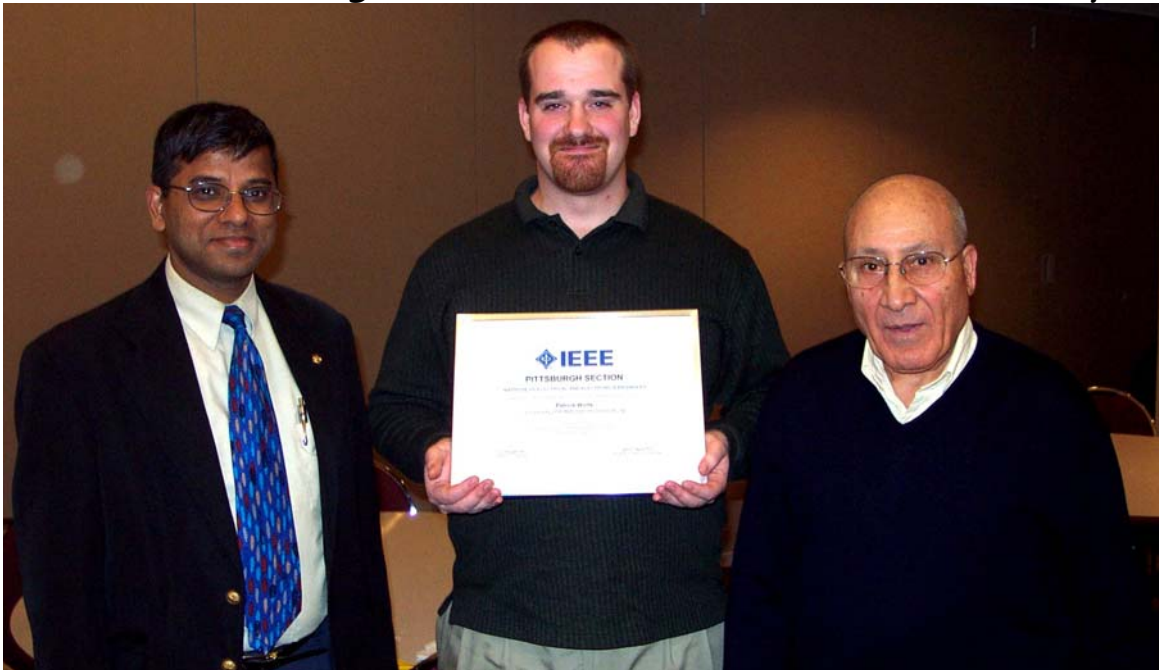
Name, IEEE Membership Number, IEEE Grade, Professional Affiliation, Importance of technical contributions, Patents and/or proprietary designs and/or papers and/or technical presentations, Description and years of technical distinction and responsibility, Service to IEEE, Service to the engineering profession outside IEEE, and Recognition through other honors.

Interested members should submit their nominations to the chair of the PES Award Committee, Harry Hagerty, at [hhagerty@ieee.org](mailto:hhagerty@ieee.org) no later than January 31, 2006. The decision of the Award Committee is final. The winner will be recognized at the Pittsburgh Section's History Dinner in the Spring 2006.

- ***Volunteer for Future Cities Competition***

Future Cities is a competition for teams of middle school students in which they use concepts related to engineering and city planning. Over 100 volunteers are needed for the Pittsburgh Regional Competition. Learn more at <http://www.futurecitypittsburgh.org> or call Bill Pruss at (412) 273-7100.

- ***IEEE Pittsburgh Section awards 2005 Book Scholarship***



L to R: Dr. Kalyan Sen; scholarship winner and student Patrick Wolfe; and Prof. Guy Nicoletti at the University of Pittsburgh's Greensburg Campus on November 17, 2005.

## • *IEEE Pittsburgh Section's GOLD Affinity Group Meets*

The recently started GOLD (Graduates Of the Last Decade) affinity group of the IEEE Pittsburgh Section met on November 21, 2005 at the Holiday Inn in Monroeville. The meeting started with dinner followed by a talk titled "Engineering Career Vitality and Survivability" given by the IEEE Pittsburgh Section's PACE Chair, Joe Kalasky. There were ample opportunities for questions and answers.



L to R: Tom Dionise; Joe Yimin; Andrew Rydholm, GOLD Chair; Joe Kalasky; Lionel West; and Mey Sen at GOLD meeting on November 21.

## • *Steps to organize a meeting for IEEE Pittsburgh*

- Contact a speaker who can talk about a subject that is of interest to IEEE members.
- Obtain the abstract of the proposed talk and the biography of the speaker.
- Work with the speaker, a Chapter Chair and/or the Section Chair to establish a date and a place for the event. Avoid dates of other IEEE Pittsburgh events.
- Send the announcement for the event to the newsletter editor and the webmaster. Ask the members and guests to sign up for the event.
- Prepare a plaque for the speaker that will be presented at the end of the event.
- On the day of the event, the host takes the speaker to dinner.
- Let the facility managers at the meeting location know who the attendees are ahead of the event and have a sign-up sheet ready at the front door.
- Arrange for light snacks for the attendees.
- Soon after the event is completed, spend a couple of minutes to file a L31 form on line to report the meeting to IEEE headquarters. The web address is [www.ieee.org/L31](http://www.ieee.org/L31).
- Submit all the receipts to the Section Chair for reimbursement.
- The Section Chair authorizes the Treasurer to send a reimbursement check to the host.

### 2005 Calendar Meetings of Pittsburgh Section of IEEE

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ExecComm	20 Point Park Univ.	17 UPitt Oakland	17 CMU	21 UPitt Greensburg	26 Papa J's	16 UPitt Oakland	No meeting	18 D'Im- perio's	10 Settlers Cabin	24 WVU	17 UPitt Greensburg	15 D'Im- perio's
Section		19 Robot Car Race		28 History Dinner					10 Picnic			
Life Member	West'house Museum & Nuclear Pgm					23 Distributd Generation		18 Fuel Cells		20 Com- mercial Radio Birthplace		8 Magnetic Storage Seagate
Commu- nication			25 New Tech. for Tele. Mon.							12 Prob Languages Comp Pro		
Computer	26 Vision 20/10	19 Robot Car Race	16 Nxt Gen Search Eng								30 Panel Discussion	
EMB										20 Design for User	30 Panel Discussion	
PES/IAS	26 Adaptive Identifica- tion	23 Rail Guns	30 Project Management	28 Electric Transmiss'n End of an Era	31 Wind Farm Tour	20 Robot Servicing of Hubble 29 Shield'g Theory	27 Electric Vehicles & Land Speed Record	26 Pirates game	28 Nuclear Control Room simulators	25 Life Safety in Industry	16 Arc Flash Hazards	
Magnetics			31 Half Metal Spin Torque	29 Magnetic Recording						29 Dynamic in micro & nano		
Robotics					5 Miniature Micro/Nano Robotics	20 Robot Servicing of Hubble						
Signal Processing				20 Wireless Ntwk Desig						13 Bounds in MIMO		
Upper Mon										3 Computer Forensics 24 UV emitters	7 Medical Imaging	
Consultants Network				26 Contract Employmnt	24 Consult Acct reqmt.	28 Non- disclosure Agreement	26 Networking		27 Starting Consulting Business	26 Roundtable	22 Roundtable	
GOLD					21 1st mtg							21 Career Vitality
Profess'nal Activities (PACE)								16 Using Tech Staff Firms			10 Inter- viewing	
Student Activities				15 GE Plant tour								