

The



IEEE Newsletter

PUBLICATION OF THE NORTH JERSEY SECTION OF THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

NJ Consultants' Network: **Buffet Dinner and Annual Planning Meeting**

On December 8, 2010, the IEEE Consultants' Network of Northern NJ will host a networking dinner and its annual Planning Meeting.

About the Meeting

The combined November/December meeting of the IEEE Consultants' Network is intended to be a strategic planning event for Network members and for consultants who are considering membership in the Network.

The main purpose of the meeting is to discuss ideas and expectations for the various Network functions in the upcoming year. Results of the annual election of officers will be announced at the time.

This working session is traditionally an open, informal forum to determine what the IEEE-CNNNJ is doing right or wrong. The floor will be open to suggestions for improvements, recommendations of new Network directions and activities and proposals of new feature topics for the general meetings.

This year we continued implementing changes in our organization and in the scope of its activities. The discussion will evaluate the effect of these changes and will chart the course for 2011.

Certain major functions performed by the IEEE Consultants' Network are always open to reconsideration and to continuing input. These include:

- Focus of our group: publicity efforts and member networking
- Group marketing & image building - CNNNJ website and alternate publicity methods
- Monthly general meetings - suggested feature topics
- Alternate general meeting formats

The December meeting is open to all. Non-members, who are interested in our activities or who are considering joining the group, are strongly encouraged to participate in the planning session to gain in-depth insight into our organization.

The meeting will commence with a dinner, which is open to all. Please see details of the venue, schedule and dinner cost, below.

Meeting Venue

This December, we will meet for dinner, followed by our planning meeting, in the Olive Restaurant at the Parsippany Hilton, located off Route 10 West in Parsippany, NJ. The restaurant is situated on the south side of main atrium.

Although not required, all attendees are strongly encouraged to participate in the pre-meeting networking dinner, to avail themselves of the opportunity to socialize and acquaint with members of our organization. Your presence at the dinner will help ensure the Network's ability to continue holding future events at the Hilton. Depending on the expected number of participants, the restaurant will provide either a dinner buffet for only \$30 per person or menu selections at similar prices.

Since seating is limited, we ask that you contact us as soon as possible to reserve a seat, even if not participating in the dinner.

About the Consultants' Network

Founded in 1992, the IEEE Consultants Network of Northern NJ encourages and promotes the use of independent technical consultants by business and industry.

CNNNJ Invites You To Join the Network

The IEEE Consultants' Network of Northern NJ invites all engineers engaged in independent practice to join its ranks.

For more details on member benefits and on sign-on requirements, please visit our website at (www.TechnologyOnTap.org)

All Welcome!

Members and non-members are welcome.

Dinner: 7:00 – 8:15 PM, Wednesday, December 8, 2010. \$30 per person.

Meeting: 8:15 – 9:30 PM, free to attend.

Place: Olive Restaurant, Parsippany Hilton, (973) 267-7373, One Hilton Court, Parsippany, NJ, 07054, www.parsippany.hilton.com.

Registration and Information: If possible, RSVP for dinner by Wednesday, December 1st. Late registrants will be accommodated only if space permits. Contact Robert Walker at [r.d.walker "AT" ieee.org](mailto:r.d.walker@AT.ieee.org) or (973) 728-0344.

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IEEE NJ SECTION HOME PAGE

<http://web.njit.edu/~ieeenj/>

IEEE NJ SECTION NEWSLETTER HOME PAGE

<http://web.njit.edu/~ieeenj/NEWSLETTER.html>

REPORT ADDRESS CHANGES TO:

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The North Jersey Section Executive Committee usually meets the first Wednesday (except holidays and December) of each month at 7:00 PM. Meetings are open to all members. For information on meeting agenda contact Secretary Russell Pepe at (201) 960-6796, rcpepe "AT" ieee.org.

IEEE Life Members Hear About the Renovated Edison West Orange Labs

At their annual luncheon on October 28th, IEEE Life Members heard a presentation about the completed renovations at the legendary Thomas Edison Labs in West Orange. The talk was given by IEEE Senior Member Harry T. Roman, [PSE&G retiree] who works at the Edison Innovation Foundation, and also lectures and volunteers at the Thomas Edison National Historical Park (TENHP). The Edison Innovation Foundation raises money for the site and it's programs/new projects; champions the Edison legacy; and, also reaches out to teachers and students to spur interest in the great inventor, and promote careers in science, technology and engineering.

The \$20 million, 5-year renovation [2004-2009] included significant renovations to both the historic labs and the Edison home [Glenmont] in Llewellyn Park. Since its opening in October 2009, over 70,000 visitors have toured the facilities. Some salient points of Roman's program emphasized:

1) The Labs now have 2 new floors open to the public including Edison's private lab on the second floor along with the fine machine shop and experimental stations and drafting/engineering areas. The third floor contains his recording studios, photo shops, and a large selection of his phonographs and general displays showing his other inventions.

2) The general chemistry lab building is now available for tours as well. Here Edison performed some of his famous artificial rubber experiments, the last big project before his death.

3) The Black Maria movie studio has been redone with a new outside coating of protective shingles, and a re-done interior floor; and is available for limited tours and activities.

4) The Edison home at Glenmont contains a new geothermal heating and cooling system, as well as a fire protection system. Two-full floors of rooms may be toured as limited basement tours of the geothermal system are also available. Plans for the renovation of the third floor are underway.

5) A new education building has also been dedicated. Building #11 has been brought back from the Dearborn MI Ford village. It was loaned to that site in 1940 and returned to West Orange three years ago and completely re-assembled at its

former location. The building is a hands-on teaching facility and lecture hall for special visits and programs.

6) The Edison garage and its vehicles are next on the restoration list. It contains the original Edison electric vehicle charging station, vintage family electric vehicles and the personal car of Charles Edison, son of Thomas Edison and former governor of New Jersey. Also included in the collection is a working 1922 Ford Model T given to Edison as a gift from Henry Ford.

Edison was in reality a premier project manager whose great ability to build interdisciplinary project teams led to the formation of what today we call R&D labs. It was the culmination of his invention factory concept—probably his greatest invention. This year, US companies and the federal government will spend 370 billion on R&D directed at developing new products, services, and industries.

TENHP is reaching out to teachers, students, and professionals to bring Edison back into the public view. TIME magazine ran its July 2010 issue as a special dedicated to Edison and his relevance to the modern world. The Foundation has recently developed a variety of educational teacher resource books for the classroom, discussing alternate energy technologies and invention. Here are some fast facts about the TENHP site:

- 400,000 artifacts
- 48,000 sound recordings
- 60,000 photographic images
- 5,000,000 written documents (including 4,000 lab notebooks)
- 10,000 volumes in the laboratory library
- Half of Edison's 1093 patents were gained at West Orange.

TENHP is the largest and most complete technological museum on the planet.

The Labs may be toured on Wednesday thru Sunday, 9-5; and Glenmont on Friday thru Sunday, 11:30-5. For more information contact www.nps.gov/edis, 973-736-0550 ext. 11. The entrance fee is \$7, under age 16 is free. Group tours may be arranged at ext. 29.

Check out the Foundation websites at www.thomasedison.org and www.edisonmuckers.org

Harry T. Roman can be reached at hroman@thomasedison.org.

IEEE North Jersey Section Activities

December 2010

Dec. 1 – “NJ Section Annual End-Of-Year Workshop”, Hanover Manor, East Hanover, NJ. Amit Patel, a.j.patel “AT” ieee.org.

Dec. 8 – “Buffet Dinner and Annual Planning Meeting”, NJ Consultants Network, dinner 7:00 – 8:15 PM, meeting 8:15 – 9:30 PM, Olive Restaurant, Parsippany Hilton, (973) 267-7373, One Hilton Court, Parsippany, NJ. Robert Walker at r.d.walker “AT” ieee.org or (973) 728-0344.

Dec. 8 – “Engineers Meet: Education in China and the United States - A Brief Comparison” with Pat Kenschaft, Ying Wu and Dr. Fred Chichester, NJ PACE, 6:30 PM to 9:00 PM, Clifton Memorial Library, 292 Piaget Ave, Clifton, NJ. Paul Ward, (973) 790-1625, peward “AT” ieee.org, Richard F. Tax, (201) 664-6954, rtax “AT” aea.org.

Upcoming Meetings

Jan. 5 – “NJ Section Meeting”, 6:30 PM, “Executive Committee Meeting” - 7:00 PM, Clifton Public Library - Allwood Branch, 44 Lyall Road, Clifton, NJ 07012. Russell Pepe at rpepe “AT” ieee.org.

Jan. 5 – **Jan. 26** – “Improving Your Writing Skills – Tips & Techniques” by Wilma Hurwitz, 6:30 to 9:00 PM, DeVry University, Room 2019, 630 U.S. Route One, North Brunswick, NJ. Larry Yang, yangl “AT” ieee.org.

Feb. 2 – **Feb. 23** – “Developing Your Presentation Skills – Tips & Techniques” by Wilma Hurwitz, 6:30 to 9:00 PM, DeVry University, Room 2019, 630 U.S. Route One, North Brunswick, NJ. Larry Yang, yangl “AT” ieee.org.

Mar. 15 – **May 10** – “Financial Accounting” by Donald Hsu, PhD, 6:30 to 9:00 PM, NJIT, Newark, NJ. Donald Hsu, yanyou “AT” hotmail.com.

Apr. 9 – **May 28** – “Project Management” by Donald Hsu, PhD, 9:30 AM to 12:00 PM, NJIT, Newark, NJ. Donald Hsu, yanyou “AT” hotmail.com.

Members and Non-Members Welcome
PLEASE POST

NJ Section PACE:

Engineers Meet: Education in China and the United States - A Brief Comparison

On Wednesday, December 8, 2010, the North Jersey Section Professional Activities Committee (PACE) of IEEE will meet for a discussion concerning Education in China and the USA. The speakers will be Pat Kenschaft, Ying Wu and Dr. Fred Chichester

About the Meeting:

This meeting will be dedicated to discussing education at all levels and a comparison of education in China and the United States.

All are invited for an interesting and informative presentation.

About the Speakers:

Our speakers are Pat Kenschaft, Ying Wu and Dr. Fred Chichester.

Pat Kenschaft was on the mathematics faculty of Montclair State for 32 years. She won the 2006 award for "Outstanding Contributions to Mathematics Education" from the national Association for Women in Mathematics. From 1988 to 1995 she won fourteen grants as the director of a program to help elementary school teachers mathematically. Her paper, "Racial Equity Requires Teaching Elementary School Teachers More Mathematics" grew out of that experience and is available at <http://www.ams.org/notices/200502/fea-kenschaft.pdf>. She was the founder and first president of a cooperative nursery school that celebrated its 40th anniversary last year. She has taught mathematics in nursery school, elementary school, junior high, senior high (for a year), college and at the master's level.

Ying Wu has previously addressed the North Jersey Section's PACE with her discussion about the History of Education in China.

She has a BS in Electro-Mechanical Engineering, from Beijing University of Posts & Telecommunications, Beijing, China and an MSEE and an MSME from New Jersey Institute of Technology.

Ying Wu has eighteen years of industry experience in China and the United States. Her engineering experience includes design, development and test in the Aerospace, Inertial Navigation, Test Equipment, Medical and commercial fields.

Fred Chichester spent 15 years as a research engineer in the aerospace industry. He completed BS and MS degrees in Aeronautical Engineering at Purdue University and a Dr. Engrg. Sci.

degree in Electrical Engineering at NJIT, where he taught both mathematics and electrical engineering. He has taught and tutored mathematics to students of a wide variety of ages in many different settings. He currently is preparing students in the McNair Scholars program to take the mathematics portion of the Graduate Record Examination and teaching pre-college mathematics at the Mathnasium in Montclair.

All Welcome!

Members and students from all professional societies and engineering disciplines are welcome. We now have attendees from IEEE, ASME, NSPE, ASCE and AEA. For information about these groups see:

www.aea.org
www.ieeeusa.org/policy/care
www.ieeeusa.org
www.programmersguild.org
<http://web.njit.edu/~ieeenj/>
www.asme.org/sections/northjersey

Time: 6:30 PM to 9:00 PM, Wednesday, December 8, 2010. Refreshments will be served.

Place: Clifton Memorial Library, 292 Piaget Ave, Clifton, NJ, (973) 772-5500.

Information: Paul Ward, (973) 790-1625, peward@at.ieee.org, Richard F. Tax, (201) 664-6954, rtax@at.aea.org.

Call For Participation:

IEEE VNC 2010

The IEEE Vehicular Networking Conference 2010 seeks to bring together researchers, professionals, and practitioners to present and discuss recent developments and challenges in vehicular networking technologies and their applications. The conference will be held December 13-15, 2010, at the Hyatt Regency Hotel, Jersey City, New Jersey, USA.

A preliminary program can be found at <http://www.ieee-vnc.org/2010/program/>.

The IEEE VNC 2010 program presents peer-reviewed papers that address major aspects of vehicular networking technologies. The conference also features keynote speech and invited talks given by leaders of the research community.

Keynote Speech by Prof. Ozan Tonguz – Carnegie Mellon University, USA

"Emerging and Future Applications of Vehicular Networks: A Vision"

Invited Talk by Prof. Eylem Ekici – Ohio State University, USA

"Mobility Management in VANETs: Basics Revisited"

Invited Talk by Prof. Frank Kargl – University of Twente & Universitat Ulm, The Netherlands

"Privacy in ITS - requirement, show-stopper, or fancy add-on?"

Further details and to make your hotel arrangements are available at <http://www.ieee-vnc.org/2010/>

Registration Open for Two "Soft Skill" Courses in 2011

At IEEE, we recognize that that much of your engineering work involves writing or presenting information to people (end users, marketing executives) who don't have your technical expertise. Thanks to recent requests from many IEEE members, we are launching two "soft skills" courses this year on improving your written communications and presentation skills. Please review the descriptions in this newsletter for content, schedules and dates.

The first course "Improving Your Writing Skills – Tips & Techniques" will be offered over four weeks on Wednesdays - January 5, 12, 19 and 26. http://meetings.vtools.ieee.org/meeting_vievw/list_meeting/4271

The second course "Developing Your Presentation Skills – Tips & Techniques" will be offered over four weeks on Wednesdays -- February 2, 9, 16, and 23. http://meetings.vtools.ieee.org/meeting_vievw/list_meeting/4273

Classes will run from 6:30 PM to 9:00 PM. See registrations forms for details or register online at the above links.

These courses will be held at DeVry University, 630 U.S. Highway One, North Brunswick NJ 07902-3362. For any questions, contact North Jersey GOLD chair Larry Yang at yangl@at.ieee.org.

Additionally, many folks have requested CEU/PDU credits for these courses. Both courses qualify for either 1.0 CEUs or 10 PDUs and are available at an additional cost of just \$25 more per course. Both courses emphasize individualized instruction with a small class size (22 attendees maximum).

North Jersey Section Seeks Committee Chairs and Volunteers

The North Section is seeking new volunteers to help conduct business for the benefit of its membership. There are a variety of volunteer positions open and available. They range from technical to non-technical, leadership or just participatory. For Society Chapter Chairs, you MUST be a member of the corresponding IEEE Society.

If you would like to become involved with volunteering in some of these efforts or positions or just become more informed about what is happening at the North Jersey Section, please contact Dr. Chandra Gupta at c.gupta "AT" ieee.org. You are welcome to attend the Section business meeting held the first Wednesday of every month to find out more and other volunteer activities that require some help.

Some committees needing volunteers include the following. Please contact the person indicated for additional information.

- Aerospace and Electronic Systems Society Chair - contact naresh.chand "AT" baesystems.com
- GOLD (Graduates of the Last Decade) Affinity Group Volunteers and Committee members needed - contact northjerseygold "AT" ieee.org
- WIE (Women in Engineering) Affinity Group Volunteers and Committee members needed - contact jignasa.ray "AT" ieee.org
- EMBS (Engineering in Medicine and Biology Society) is seeking a chair and active committee volunteers - contact RaquelPC "AT" njit.edu
- Membership Development Committee Chair and Volunteers - contact c.gupta "AT" ieee.org
- Computer Society Chapter Committee Volunteers - contact zhao "AT" fdu.edu
- Technical Management Council Committee Volunteers - contact saumil "AT" ieee.org
- North Jersey Section Awards Committee Volunteers - contact k.oexle "AT" verizon.net

Additionally, if interested volunteers would like to get more general information about the Section, including a complete listing of all chapters and committees, visit the North Jersey Section website <http://web.njit.edu/~ieeenj/>, or contact Dr. Chandra Gupta c.gupta "AT" ieee.org.

NEWS from IEEE-USA:

Cybersecurity a Shared Responsibility, White House Advisor Says at IEEE Homeland Security Conference

Waltham, Mass. (9 November 2010) - It's not just government and private technology companies that are responsible for ensuring the safe and reliable functioning of our world's interconnected computer systems.

"When it comes to cybersecurity, everyone has a role to play," said Howard A. Schmidt, national cybersecurity coordinator and special assistant to President Barack Obama via video message Monday to attendees at the 2010 IEEE International Conference on Technologies for Homeland Security.

The 10th-annual peer-reviewed technical conference began Monday at the Westin Waltham Boston and continues through Wednesday.

Schmidt said there are steps we all can take to help keep the Internet secure: don't visit suspect Web sites, download suspicious documents or attachments, or open e-mails from people you don't know; have regularly updated anti-virus software installed on your computer, back-up your files frequently and educate children about potential online dangers.

"Together we can build a more resilient international community that is stronger and smarter than the determined adversaries we face every day," he said. "Everyone has a role to secure their part of cyberspace, including the computers, devices and networks they use. We all need to understand how our individual actions can have a collective impact on cybersecurity and protecting the Internet."

Much of the world depends on computer networks to communicate and conduct business. If those networks are

compromised through viruses and other cyber attacks, the consequences could be deadly. For example, if computer-controlled street signals were to suddenly malfunction, vehicles could crash into each other.

"We rely on cyber networks to control and manage transportation, electricity and banking, just to name a few parts of our critical infrastructure," Schmidt said. "Cybersecurity risks pose some of the most serious economic and national security challenges of the 21st century. Going forward, economic prosperity and our way of life depends on strong cybersecurity built on the backbone of resilient cyber infrastructure."

The IEEE Homeland Security Conference is produced by IEEE with technical support from the Department of Homeland Security Science & Technology Directorate, the IEEE Engineering in Medicine and Biology Society and the IEEE Nuclear and Plasma Sciences Society. IEEE-USA is providing organizational support. For more information, visit www.ieee-hst.org.

IEEE (www.ieee.org) is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. It supports the professional interests of more than 395,000 members worldwide.

IEEE-USA (www.ieeeusa.org) advances the public good and promotes the careers and public policy interests of more than 210,000 engineers, scientists and allied professionals who are U.S. members of IEEE.

Contact: Chris McManes
IEEE-USA Public Relations Manager
202-530-8356
c.mcmanes@ieee.org

From the North Jersey Section's Education Committee:

Hot courses can enhance your position in the job market

IEEE North Jersey Education Committee ran programming and management courses since 1993. 252 IEEE members and non-members completed these courses. Benefits: Some got jobs at AT&T and Microsoft Corporation.

We need hot courses, instructors and classrooms. If you can teach a hot course (any course that can get people jobs), email your one-page abstract and your resume. If your NJ firm can provide a conference room, evening or Saturday morning, contact Donald Hsu, Chair, [yanyou "AT" hotmail.com](mailto:yanyou). Thank-you and act NOW!

9th Annual Life Grades Luncheon

The ninth Annual Life Grades Luncheon sponsored jointly by the Power Engineering Society Chapter and the Section Life Grade Affinity Group was held on October 28th at the Hamilton Park Conference Center, Florham Park, NJ.

Harry Roman, introduced by Ken Oexle below, spoke on the recent re-opening of the Thomas Edison Laboratories, West Orange, NJ, after a 3 to 4 year restoration by the National Park Service.



Past Chairs, (L-R): Ken Oexle, Herb Blaicher, Al Stolpen, Dr. Michael Liechenstein, Howard Leach, Dr. Fred Chichester, Har Dayal, Dr. Chandra Gupta, Kirit Dixit, and Dr. Naresh Chand.



Left to Right: Ken Hendrix, Harry Roman, Ram Rathore, Ken Oexle, Joe Salko, and Dr. Naresh Chand.



Seated (L-R): Dr. Richard Snyder, Virginia and Carl Sulzberger, Dr. Alfred Mac Rae, and Carl Fruehling.
Standing (L-R): Har Dayal, Herb Blaicher, and John Baka.



Seated (L-R): Al Stolpen, Dr. Michael Liechenstein, Dr. Chandra Gupta, Kirit Dixit, and Mrs. and Mr. Heinz Winters.
Standing (L-R): Monte Wallerstein, Thad Kobylarz, and Dr. Fred Chichester.



LISAT2011

**Seventh Annual IEEE Long Island Systems, Applications and Technology Conference
Friday, May 6, 2011**

The Institute for Research & Technology Transfer at Farmingdale State College
State University of New York - Farmingdale, NY

Extended CALL FOR PAPERS, PRESENTATIONS, EXHIBITORS and STUDENT PAPERS

The Long Island Systems, Applications and Technology (LISAT) Conference features several parallel professional tracks including topics in Systems, Applications, and Technology, along with an Exhibit Hall. We are currently soliciting submissions for participation in both the Technical Program and the Exhibit Hall, and are interested in papers, presentations, and exhibits that showcase the development and use of technology by local organizations. LISAT 2011 will also provide the opportunity for select student papers to be presented. Undergraduate and graduate students are encouraged to submit papers in an area of their interest or current work.

Preliminary acceptance to the Technical Program will be based on a 300-to-500-word abstract. Authors of accepted abstracts will be required to provide a six (6) page IEEE standard manuscript (in MS Word or PDF format) for publication in IEEE *Xplore*, and will be required to make a power point presentation at the conference. Manuscripts are subject to the LISAT Technical Program Committee's peer review and may require revision prior to final acceptance. Important dates for the Technical Program are:

LISAT2011 Key Dates	
Abstracts Due	Dec 10, 2010
Notification of Accepted Abstracts	Dec 17, 2010
Manuscripts for Publication (MS Word or PDF) and Copyright Releases Due	March 1, 2011
Notification of Acceptance of Manuscripts (subject to final edits)	March 31, 2011
Presenter Registration, Final Manuscript Edits, and Power Point Due	April 15, 2011
LISAT2011 Conference	May 6, 2011

Detailed instructions on submission, manuscript and presentation templates, and information on the conference, is available on the LISAT web site at www.ieee.li/lisat. **PDF submissions must be generated using the Latex template provided.**

At least one author of *each* paper/presentation must register for the Conference and will be expected to provide a 20-minute presentation at the conference followed by 5 minutes of Q&A. One presenting author will be allowed to register at a discounted rate. A limited number of tutorial and application presentations which will not be published by the IEEE may also be accepted.

While LISAT welcomes a wide variety of papers in systems, applications, and technology, some examples of topics of particular interest are: *Homeland Defense, Alternate Energy Sources, Green Building Technologies, Mobile Communications, Microwave Technology, Electromagnetic Compatibility, Mobile Ad Hoc Networking, Network Security, Sensor Fusion, Antenna Systems and Processing, Radio Locationing, Radar Systems and Techniques, and Medical Electronics.*

For information on **Exhibiting** at LISAT, please contact: Terry Stratoudakis at tns@ieee.org

For all other information contact LISAT2011 Conference Chair: Dave Mesecher at d.mesecher@ieee.org or Conference Co-Chair Charles Rubenstein at c.rubenstein@ieee.org

LISAT is sponsored by the IEEE Long Island Section and its Technical Society Chapters and IEEE Region 1, in cooperation with the Institute for Research & Technology Transfer (IRTT) at the Farmingdale State College (SUNY).

Releases and Approvals: This conference will be unclassified and attended by both US and non-US persons. It is the author's responsibility to obtain all required company and government releases and approvals prior to making a paper submission. A statement that such releases and approvals have been obtained as well as a completed IEEE Copyright Form (signed by the submitting author) must accompany the manuscript of each accepted paper.



The 20th Wireless and Optical Communications Conference (WOCC 2011)

April 15 – 16, 2011, Newark, New Jersey, USA

The Twentieth Annual Wireless and Optical Communications Conference ([WOCC 2011](#)) will bring together technical experts, scholars and business leaders from the North America and Pacific Rim to discuss emerging technologies, innovative research, and business opportunities. The conference will feature a comprehensive technical program consisting of four symposiums, keynote speakers and panels.

Original technical papers are solicited to the technical areas of the four symposiums, with the topics listed, but not limited to, the following:

Wireless Communications and Networking Symposium

- Modulation, Coding and Signal Processing
- Radio Resource Management
- 3G/4G Wireless Communication Systems
- Network Protocol Performance Modeling & Simulation
- Localization, Target Tracking, and Mobility Management
- Cognitive Radios and Networks
- Mobile Ad-Hoc Networks
- Sensor Networks
- Heterogeneous Networks
- Security in Wireless Networks

Emerging Networks and Future Internet Symposium

- Future Internet and Next Generation Network Architecture
- Future Internet Simulation and Experimentation Platforms
- Network Virtualization and Services
- Convergent Network Architectures and Solutions
- Migration to NGN and Mobile Broadband
- Incorporating Mobility into Future Internet
- Network Design, Planning, and Optimization
- Delay and Disruption Tolerant Networks
- Cloud Computing
- Content Centric Networking
- Social Networks

Important Dates:

Submission Deadline: **December 31, 2010**

Paper Acceptance Notification: **February 15, 2011**

Camera Ready Paper Submission: **March 15, 2011**

All papers accepted by WOCC 2011 will be included in IEEE Xplore and indexed by EI.

Paper submission web site and instructions: <http://edas.info/9561>

Organization Committee:

Technical Program Chair and Vice-Chair: Qinqing Zhang, Johns Hopkins University
Wade Trappe, Rutgers University

Wireless Communications and Networking Symposium Chair: Chonggang Wang, InterDigital

Emerging Networks and Future Internet Symposium Chair: Yanyong Zhang, Rutgers University

Optical Communications and Networking Symposium Chair: Shan Zhong, Ciena Corp

Multimedia Services and Applications Symposium Chair: Yuqing Gao, IBM Research



IEEE North Jersey Section Course Project Management

*Saturday mornings, April 9, through May 28, 2011
Eight weekly classes (April 9, 16, 23, 30, May 7, 14, 21, 28, 2011)*

*New Jersey Institute Technology, Newark, New Jersey
(Checks should not be mailed to this address)*

IEEE North Jersey Section thanks New Jersey Institute Technology for sponsoring this course

The North Jersey Section IEEE is offering an evening course entitled "Project Management". Dice.com lists 5800+ Project related jobs in the New York tri-state area daily! This course will help you to break down a master project into manageable tasks, pinpoint possible solutions, and provide information to keep the project under control. Using Microsoft Project software, you will learn to accomplish various project plans. In addition, it will greatly enhance your business, communications and interpersonal skills.

You will receive the IEEE certificate of completion when you finish the course. You may wish to take two Certification exams, one in *Project Management* administered by Project Management Institute from the knowledge that you learned in this course. (This is *not an exclusive PMP-PMI examination prep course*. No PDUs are issued for PMP eligibility. CEU credits would be given by IEEE)

Instructor: **Donald Hsu, PhD.**, has been a corporate manager for 11 years and an experienced trainer. Since 2000, he has trained 1200+ in IT Project+, MS Project, Project Management, Contract Procurement Management, and International Management.

TOPICS

1. Explain the need for a project manager
2. Define SOW, PERT, GANTT, CPM, and Scope of the project
3. Identify the team members, resources and plan for the strategy
4. Calculate schedule, budget variances, and monitor project progress
5. Manage changes, estimates, and communications
6. Set a baseline, import tasks from MS Excel, export MS Project files to MS Word
7. Create and modify custom reports, templates and combination views
8. Share resources and create a master plan loaded to Project Server
9. Approve updates and conclude a project plan
10. Analyze global E-Commerce projects
11. Present student Projects

WHERE: New Jersey Institute of Technology, Newark, NJ.

WHEN: 8 Saturdays, April 9, 16, 23, 30, May 7, 14, 21, 28, 2011, 9:30 AM - 12:00 noon

COST: IEEE (& affiliate) members \$500; Non-IEEE members \$550.

CONTACT: Donald Hsu: yanyou "AT" hotmail.com

REGISTRATION: Project Management

Please mail the registration form with the check (**Checks payable to "North Jersey Section IEEE"**) to
Donald Hsu, Chair Education Committee, IEEE North Jersey Section, P. O. Box 2093, Fort Lee, NJ 07024

Name: _____ Email address _____

Non-member

IEEE Member Member #: _____ Member of _____ technical society

Employer: _____

Employer Address: _____

Home Address: _____

Business (day) telephone #: _____ Home telephone #: _____

Please enclose required fee payable to: **North Jersey Section IEEE**

As soon as a completed registration form and the payment are received, you are officially registered for this course. Registration status will be notified by email.

I wish to receive the IEEE Completion Certificate

Signature: _____

IEEE North Jersey Section Course Financial Accounting

Tuesday, March 15, 2011 through May 10, 2011
Eight weekly classes (March 15, 22, 29, April 5, 19, 26, May 3, 10, 2011)

New Jersey Institute Technology, Newark, New Jersey
(Checks should not be mailed to this address)

IEEE North Jersey Section thanks New Jersey Institute of Technology, for sponsoring this course.

The IEEE North Jersey Section is offering a course entitled "Financial Accounting". US Bureau Labor Statistics reports that 2.1 million Accounting jobs need to be filled by 2019. Indeed.com lists 25,000+ accounting jobs in the New York tri-state area daily! This course will cover the fundamentals of debit, credit, inventory, cost of goods sold, cash flow, internal control, operating assets, liability, owner's equity, income measurement, accrual accounting, time value of money, tax issues, and financial statement analysis. In addition, QuickBooks software will be used. QuickBooks is currently employed by 4 million small business owners in USA.

You will receive the IEEE Certificate of Completion when you finish the course. You may use the knowledge from this course, to find accounting jobs. Or you can start your own company using QuickBooks to keep track of the revenues and expenses.

Instructor: **Donald Hsu, Ph.D.**, has been a corporate manager for 11 years and is an experienced trainer. Since 2004, he has trained 300+ people in accounting, personal finance, investment analysis, QuickBooks, and PeachTree courses in 4 organizations.

TOPICS

12. Learn accounting as a form of communication
13. Define debit, credit, annual report, and accounting information
14. Generate income measurement and discuss accrual accounting
15. Distinguish inventory, costs of goods sold, cash and internal control
16. Build receivables and investments using time value of money
17. Explain fixed assets, property, plant, equipment, and tangibles
18. Understand long-term liabilities and stockholder's equity
19. Perform financial analysis, cash flow and various Excel computations
20. Use QuickBooks software to set up charts of accounts
21. Present student Projects

WHERE: New Jersey Institute of Technology, Newark, NJ
WHEN: Eight Tuesdays, March 15, 22, 29, April 5, 19, 26, May 3, 10, 2011, 6:30 to 9:00 PM.
COST: IEEE (& affiliate) members \$500; Non-IEEE members \$550.
CONTACT: Donald Hsu, yanyou "AT" hotmail.com

REGISTRATION: Financial Accounting

Please mail the completed registration with a check (payable to "North Jersey Section IEEE") to:
Donald Hsu, Chair Education Committee, IEEE North Jersey Section, P.O. Box 2093, Fort Lee, New Jersey 07024.

Name: _____ Email address _____

Non-member

IEEE Member Member #: _____ Member of _____ technical society

Employer: _____

Employer Address: _____

Home Address: _____

Business (day) telephone #: _____ Home telephone #: _____

Please enclose required fee payable to: **North Jersey Section IEEE**

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I wish to receive IEEE Completion Certificate

Signature: _____

Professional Development Course
IMPROVING YOUR WRITING SKILLS – TIPS & TECHNIQUES

(Four weekly classes on Wednesday, January 5, 12, 19, 26, 2011)

Location: DeVry University, Room 2019, 630 U.S. Route One, North Brunswick, NJ
(Do not mail checks here)

IEEE North and Central Jersey Sections thank DeVry University for hosting this course.

When you write an email, test report, technical memo, manual or formal job search correspondence, there are some valuable “best” practices to make the process easy and your documents clear. Upon completion of IMPROVING YOUR WRITING SKILLS–TIPS, & TECHNIQUES, attendees will be able to plan, organize and prepare effective business correspondence, e-mails, memos, reports and job search documents (resumes, cover letters) for select external and internal readers.

Instructor: **Wilma Hurwitz** is a training consultant and executive coach specializing in verbal and written workplace communications, presentation skills and customer service techniques. Key communications clients have included Alcatel-Lucent, (network systems), Jersey Central Power & Light, Pershing Division of Bank of NY Mellon and GlaxoSmithKline. Since 2007, she has also been a freelance writer with the Morris County Daily Record authoring select business feature articles and cover stories. She is currently their weekly columnist covering Morristown area restaurants.

TOPICS

- The Communication Model – what it is, how it works
- Different purposes for written communications: editorial, informational, good/bad news, directive and persuasive
- Who is/are your reader(s)? What do they want to achieve upon reading your document?
- Writer’s “block” – how to get started with your communication
- Structuring your message
- Writing sentences – the “fog” index and how to avoid it
- Developing your document – use of language, flow of key points
- Grammar – some essential rules to ensure that our writing is clear
- Beyond “spellchecker” – some guidelines for proofreading
- Special documents – praise, instructions, new concept presentation and communicating about change.

Methodology: IMPROVING YOUR WRITING SKILLS–TIPS & TECHNIQUES is delivered via discussion, Q&A, document preparation and review of different writing samples throughout the program. Assignments will be made to address individual business writing needs. Special attention will be given to those attendees for whom English is a second language.

To allow for individualized instruction, class size is limited to the first 22 registrations. Additional courses may be held in the future. IEEE will be offering CEUs (PDUs) at an additional cost of \$25 per person if you would like to get CEU (1.0) or PDU (10 hours) credit.

WHERE: DeVry University, Room 2019, 630 U.S. Route One, North Brunswick, NJ
WHEN: Four evenings, Wednesday, January 5, 12, 19, 26, 2011 from 6:30 to 9:00 PM.
COST: IEEE members \$200; Non-IEEE members \$275; Student/Unemployed members \$100 (add \$25 for CEU/PDUs)
CONTACT: Larry Yang, yangl “AT” ieee.org

DEADLINE: December 31, 2010 REGISTRATION: IMPROVING YOUR WRITING SKILLS – TIPS & TECHNIQUES

Please mail the completed registration with a check (payable to “North Jersey Section IEEE”) to: **Larry Yang, Chair GOLD Committee, IEEE North Jersey Section, 9 Braemar Court, Parsippany, NJ, 07054.** Or register and submit payment online at: http://meetings.vtools.ieee.org/meeting_view/list_meeting/4271 Refunds will only be mailed back if course is cancelled or you withdraw before the registration deadline.

Name: _____ Email address _____
____ Non-member
____ IEEE Member Member #: _____ Member of _____ technical society

Employer: _____

Employer Address: _____

Home Address: _____

Business (day) telephone #: _____ Home telephone #: _____

Please enclose required fee payable to: **North Jersey Section IEEE**
As soon as the completed registration form and the payment are received, you are officially registered for this course.
Registration status will be confirmed by email.

____ I wish to receive IEEE CEUs/PDUs, \$25 extra Signature: _____

Professional Development Course

DEVELOPING YOUR PRESENTATION SKILLS – TIPS & TECHNIQUES

(Four weekly classes on Wednesday, February 2, 9, 16, 23, 2011)

Location: Advanced DeVry University, Room 2019, 630 U.S. Route One, North Brunswick, NJ
(Do not mail checks here)

IEEE North and Central Jersey Sections thank DeVry University for hosting this course.

If you are saying a few words” to a client prospect, giving a detailed explanation to some technical experts, interviewing for a new job or preparing a sales presentation, it can be a challenge to deliver an effective presentation. DEVELOPING YOUR PRESENTATION SKILLS–TIPS & TECHNIQUES will cover what it takes to plan, organize, develop and deliver effective presentations for any audience.

Instructor: **Wilma Hurwitz** has managed design, marketing and delivery of over 200 industry conferences, trade shows and special events on information technology; software project management; manufacturing; plastics, metals and packaging technology; financial services and supply chain management. Clients include Alcatel-Lucent (network systems), Honeywell, American Electronics Association, Administrative Management Society, Rutgers Center for Management Development, NYU School of Continuing Education and Boston University Center for Project Management. For some of these events she has been a presentation skills coach to individual software project managers and technical marketing/sales executives.

TOPICS

- Different kinds of presentations (informational, persuasive, good/bad news)
- Your audience and their expectations
- How to structure your presentation – key points, supporting information, presentation flow
- Selecting the right audio-visuals to get your points across
- Pre-performance practice and staging
- Actual performance -- on-site delivery considerations: problem listeners, handling nervousness, handling questions
- Post-presentation debrief – What went well? What needs improvement?

Methodology: This course is presented via class discussion, Q&A, case studies, exercises and actual practice in class. In order to provide individual attention, class size is limited to the first 22 registrations. Additional courses maybe held in the future. IEEE will be offering CEUs (PDUs) at an additional cost of \$25 per person if you would like to get CEU (1.0) or PDU (10 hours) credit.

WHERE: DeVry University, Room 2019, 630 U.S. Route One, North Brunswick, NJ

WHEN: Four evenings, Wednesday, February, 2, 9, 16, 23, 2011, 6:30 to 9:00 PM.

COST: IEEE members \$200; Non-IEEE members \$275; Student/Unemployed members \$100 (add \$25 for CEU/PDUs)

CONTACT: Larry Yang, yangl “AT” ieee.org

DEADLINE: January 29, 2011 REGISTRATION: DEVELOPING YOUR PRESENTATION SKILLS – TIPS & TECHNIQUES

Please mail the completed registration with a check (payable to “North Jersey Section IEEE”) to: **Larry Yang, Chair GOLD Committee, IEEE North Jersey Section, 9 Braemar Court, Parsippany, NJ, 07054. Or register and submit payment online at: http://meetings.vtools.ieee.org/meeting_view/list_meeting/4273 Refunds will only be mailed back if course is cancelled or you withdraw before the registration deadline.**

Name: _____ Email address _____

___ Non-member

___ IEEE Member Member #: _____

Member of _____ technical society

Employer: _____

Employer Address: _____

Home Address: _____

Business (day) telephone #: _____ Home telephone #: _____

Please enclose required fee payable to: **North Jersey Section IEEE**

As soon as a completed registration form and the payment are received, you are officially registered for this course. Registration status will be notified by email.

___ I wish to receive IEEE CEUs/PDUs, \$25 extra

Signature: _____