

The



# IEEE Newsletter

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

*NJ Consultants' Network:*

## Proposal Writing for Government Contracts

The June 24, 2010 meeting of the IEEE Consultants' Network of Northern NJ features a presentation by Roger S. Cohen, of Cohen International titled "Proposal Writing for Government Contracts."

### About the Talk

Roger S. Cohen will give a presentation and lead a discussion on proposal writing for government contracting projects, which will include:

- 1) Understanding government contracting opportunities for tech companies.
- 2) Defining a proposal in response to a solicitation.
- 3) How to evaluate opportunities and make bid/no-bid decisions.
- 4) Opportunities in the SBIR – Small Business Innovation Research – program.
- 5) How a business consultant works with tech companies and engineers on government contracting and proposal writing.
- 6) How consulting engineers can help their clients with government contracting opportunities.
- 7) Where the business is.

### About the Speaker

Roger S. Cohen is a consultant engaged in business development, both domestic and international. His practice has a special focus on government contracting, especially for technology projects.

Roger works with technology companies on government contracting projects, helping them write, produce and submit proposals. This arcane area of government contract proposal writing is the key step in developing business with the government. Roger has a specialty in SBIR – Small Business Innovation Research – projects and proposals.

Roger works with a wide range of clients, from one-person start-ups, to the largest international firms. Some of his high-profile projects include security printing presses to print the US currency, and the popular self-adhesive postage

*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. 236 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. Thank-you and act NOW!

stamp. Millions of tongues are now being spared the aftertaste of glue, thanks to Roger's efforts.

Roger S. Cohen can be reached at roger@rogercohen.com and by telephone at (845) 358-8936 and at <http://www.rogercohen.com>.

### 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.

### All Welcome!

Members and non-members are welcome.

**Time:** 6:30-8:30 PM, Thursday, June 24, 2010.

**Place:** Morris County Library, 30 East Hanover Avenue, Whippany, NJ. Directions are available at [www.mclib.info](http://www.mclib.info).

**Information:** For up-to-date meeting status, call Robert Walker, 973-728-0344, or visit our website, [www.TechnologyOnTap.org](http://www.TechnologyOnTap.org).

## Elevate to Senior Member Grade!

To get information and an application to advance to Senior Member Grade, see <http://www.ieee.org/web/membership/senior-members/>. For further information or to find potential references, contact Mario Ogava, Membership Chair, at [m.ogava@ieee.org](mailto:m.ogava@ieee.org).

**JUNE 2010**

# June 2010

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**Deadline for receipt of material** is the 1st of the month preceding the month of publication. All communications concerning editorial and business matters, including advertising, should be sent to the Business Manager via e-mail at [k.saracinello "AT" ieee.org](mailto:k.saracinello@ieee.org) or to *The IEEE Newsletter*, c/o Keith Saracinello, 25 Messenger Ln, Ringoes, NJ 08551, (302) 683-7162.

### 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:

IEEE Service Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331, (732) 981-0060. It is not necessary to inform the North Jersey Section when you change your mailing address. "The IEEE Newsletter" and other section mailings use a list provided by IEEE's national headquarters.

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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.**

### NJ Section PACE:

## Engineers Meet:

### For a Members Social

On Wednesday, June 9, 2010 the North Jersey Section Professional Activities Committee IEEE Members, students and guests will meet for a Social, with pizza, soda & refreshments.

### About the Meeting:

This meeting is about getting members of the Section together for a light evening of discussion and hospitality. Basically we can hold a brainstorming session to discuss future meetings and activities. This is a continuation of the past meeting's lively discussions. All are invited. We shall encourage North Jersey Section Ex-Com officers to attend. When they do, our Section membership will have an opportunity to meet with them on a first name basis. You can learn about what goes on at our Section Ex. Com. Meetings.

Bring your associates, friends and spouses for a relaxing, friendly meeting for our engineers.

### About the Speaker:

Everyone will have an opportunity to express their views about the profession, jobs and opportunities or whatever.

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

CARE is the Congressional Advocacy Recruitment Effort CARE is a voluntary network of IEEE members who are interested in public policy. To help and for information go to [www.ieeeusa.org/policy/care/](http://www.ieeeusa.org/policy/care/).

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

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

**Information:** Paul Ward, (973) 790-1625, PWARD1130 "AT" aol.com, Richard F. Tax, (201) 664-6954, rtax "AT" aea.org.

### NJ IMS:

## Selecting the

## Appropriate

## Environmental Test

## Chamber for Renewable

## Energy Applications

On Tuesday, September 14, 2010, the IEEE North Jersey Section of the Instrumentation and Measurement Society (IMS) is hosting a talk entitled, "Selecting the Appropriate Environmental Test Chamber for Renewable Energy Applications." The speaker will be Mark R. Chrusciel.

### About the Talk

Properly defining your Environmental Chamber requirements will insure your best return on investment. An emphasis will be placed on the renewable energy markets, including a way to save up to 54% on your operating costs. Discussions on the effect of air flow on product temperature and ensuring all DUT's experience the same temperature gradients will be reviewed. With most solar panels carrying 20 year warranties, short cuts in testing could cost significant warranty dollars or damage to your company's reputation. The importance of safely processing hazardous materials will also be discussed.

### About the Speaker

Mark R. Chrusciel has approximately 30 years of experience with environmental chambers and ovens and currently serves as Director for Cincinnati Sub Zero. His many years of experience in the quality, reliability and laboratory markets enables him to design, select and implement the proper thermal processing equipment for the application. Mark has a BS in Natural Sciences from Xavier University; has served on the board for the last 4 years of the ASTR conference (Accelerated Stress Test and Reliability); and is a senior member of the Institute of Environmental Science and Technology (IEST).

### All Welcome!

Free admission. Members and non-members welcome.

**Time:** 6:30 PM, Tuesday, September 14, 2010. Free buffet will be provided at 5:30 PM.

**Place:** New Jersey Institute of Technology (NJIT), Room 202, ECE Center (Intersection between Warren & Summit Streets), Newark, NJ. Directions are available at <http://www.njit.edu/about/visit/gettingtonjit.php>.

**Information:** Russell C. Pepe, (201) 960-6796, rcpepe "AT" ieee.org.

# IEEE North Jersey Section Activities

## June 2010

**June 2** – “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 rcpepe “AT” ieee.org.

**June 9** – “Engineers Meet: For a Members Social”, NJ PACE, 6:30 PM to 9:00 PM, Clifton Memorial Library, 292 Piaget Ave, Clifton, NJ. Paul Ward, (973) 790-1625, PWARD1130 “AT” aol.com, Richard F. Tax, (201) 664-6954, rtax “AT” aea.org.

**June 24** – “Proposal Writing for Government Contracts” by Roger Cohen, NJ Consultants' Network, 6:30 PM, Morris County Library, 30 East Hanover Avenue, Whippany, NJ. Robert Walker, (973) 728-0344, or visit [www.TechnologyOnTap.org](http://www.TechnologyOnTap.org).

### Upcoming Meetings

**Aug. 4** – “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 rcpepe “AT” ieee.org.

**Sep. 14** – “Selecting the Appropriate Environmental Test Chamber for Renewable Energy Applications” by Mark R. Chrusciel, NJ IMS, 6:30 PM, New Jersey Institute of Technology (NJIT), Room 202, ECE Center (Intersection between Warren & Summit Streets), Newark, NJ. Russell C. Pepe, 201-960-6796, rcpepe “AT” ieee.org.

**Oct. 9 – Dec. 4** – “Project Management” by Donald Hsu, PhD, 9:30 AM to 12:00 PM, NJIT, 161 Warren Street, Newark, NJ. Donald Hsu, yanyou “AT” hotmail.com.

**Oct. 20 – Dec. 15** – “C# .NET Programming” by Donald Hsu, PhD, 6:30 PM to 9:00 PM, NJIT, 161 Warren Street, Newark, NJ. Donald Hsu, yanyou “AT” hotmail.com.

**Members and Non-Members Welcome**  
**PLEASE POST**

## 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 long-term to short-term, from technical to non-technical, leadership or just participatory. For Society Chapter Chairs, you must be a member of the corresponding IEEE Society. You must be an active IEEE member to hold an elected office at the section level.

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.

- Power Electronics Society Chapter Chair - contact c.gupta below.
- 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 kduncan "AT" ieee.org
- EMBS (Engineering in Medicine and Biology Society) invites new members and volunteers - contact RaquelPC@njit.edu if you are interested.
- Membership Development Committee Chair and Volunteers - contact c.gupta below.
- Student Activities Committee volunteers and committee members needed - contact jignasa.ray "AT" ieee.org.

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.

## A Professional Certification in Wireless Communication Engineering Technologies (WCET) from IEEE

Are you part of the vibrant and ever - growing Mobile & Wireless Industry? If you are, then you confront continuous business innovation, technology evolution and new applications daily. Every trade show and publication brings news of smartphones launches, introductions of wireless virtual reality, self - organizing networks, higher order modulations, and machine - to - machine communications to name a few.

These fast - paced changes require of industry professionals to constantly learn, renew and review their skills, and refresh industry know - how. The IEEE WCET credential is here to help those professionals who wish to distinguish themselves in the marketplace, gain recognition by current and/or prospective employers and develop reputations in their professional networks as possessing up - to - date top - talent experience.

WCET is global in scope, and vendor - independent, and identifies those who are certified as having demonstrated competence and a thorough understanding of different key technologies in the wireless arena, local market implications of wireless communications, and new technology / standards development.

Behind WCET stands a high - caliber Core Team of IEEE experts, industry veterans, and technology innovators who developed WCET and keep it current. WCET is also guided by a very strong international Industry Advisory Board with representatives from top - tier OEMs, operators, and other industry players.

Make a 2010 resolution to accept the challenge to document your skills and to accelerate your professional development by taking the WCET exam in the Fall 2010. Details about candidate requirements, exam dates, registration, the practice exam, and many resources such as on - line tutorials, webinars, training, and articles to help you prepare for the exam are posted on our website - [www.ieee-wcet.org](http://www.ieee-wcet.org).

For questions and more information, contact Elena M. Neira, CET Core Team, WCP Liaison, IEEE ComSoc, at [elenaneira@comsoc.org](mailto:elenaneira@comsoc.org) or [www.linkedin.com/in/elenaneira](http://www.linkedin.com/in/elenaneira).

*IEEE-USA in Action:*

## TV Reports on IEEE- Related Technologies that Cut Energy Costs, Protect Combat Soldiers, Ease Mobility for Medical Patients Available Online

Washington (10 May 2010) -- Seven new 90-second reports on IEEE-related technologies and breakthroughs were distributed in the first four months of 2010 to 83 subscribing U.S. television stations for broadcast on local news, with support from IEEE-USA. Since 2005, IEEE-USA has, in partnership with the American Institute of Physics, helped to underwrite more than 800 local TV news reports on engineering and science -- in English and Spanish.

The four latest "Discoveries & Breakthroughs" reports include:

(1) "Save Money: Cut Energy Costs," in which engineers have designed a hand-held device that detects drafts around windows and doors.

(2) "Soldier Safety: Sniper-Detecting Helmet," in which electrical engineers (EEs) have developed a system that allows a soldier's combat helmet to determine the locations of enemy shooters and the type of weapons they are firing.

(3) "Can You Hear Me Now?," in which EEs have designed a radio chip for communication devices that mimics the way the human ear absorbs sound.

(4) "'Intelligent' Tools Help Disabled," in which artificial intelligence researchers have developed intelligent medical assistive devices that make mobility easier for patients.

To view these IEEE-USA underwritten reports go to <http://www.aip.org/dbis/IEEE/>.

Vetted by technology professionals, the reports are aimed at a high school-educated public that receives most of its sci-tech news through local TV news broadcasts. National Science Foundation-sponsored research has documented that viewers of the "Discoveries & Breakthroughs" reports are more likely to support engineering and science than non-viewers.

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# North NJ Section Hosts Annual Award Reception

The North New Jersey Section held its annual Award Reception on May 2, 2010 at the Birchwood Manor, Hanover, NJ.



A total of forty-nine attended the Awards Reception.



Amti J. Patel, Section Chair.



The event started with a welcome address by Section Chair Amit Patel followed

by some general remarks by IEEE Region 1 Director – Dr. Charles Rubenstein



on the very successful execution of a milestone event on the first transistor and the planned recognition of the Alcatel-Lucent Bell Labs in a second milestone presentation.



Dr. Rubenstein went on to outline the significance of the IEEE Eric Sumner Award: 'For outstanding contributions to communications technology.' It is named in honor of Eric E. Sumner, 1991 IEEE President, who retired as Vice President, Operations Planning, AT&T Bell Laboratories after a long and distinguished career. This award was presented to Dr. Reinaldo A. Valenzuela (not present) for his work in pioneering contributions to multi antennas systems and microwave propagation.

Region 1 awards were then presented to Ajay Kumar Poddar



for outstanding leadership and contributions in the research, design, and development of microwave systems; to

Kate Duncan (not present) for outstanding leadership and service to the North Jersey Section IEEE and Women in Engineering; and to Ali Abdi, below



for outstanding leadership and contributions in underwater acoustic communications.

The PES Chapter presented the Society Outstanding Engineer Award to Ricky John with the citation "For outstanding leadership and contributions in Electrical Engineering Management Technologies and Conservation Programs."

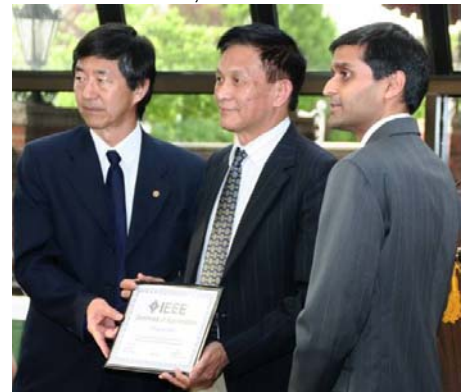


The award was presented by: Michael A. Miller representing the New

York Section and Roland Dixon representing the Power and Energy Society.



The North Jersey Section Membership Chair, Mario Ogava, presented a special Membership Development Award to Dominick D'Stefan, Edward Osoliniec, and Mengchu Zhou in recognition of outstanding contributions to the North Jersey Section membership development. Shown below is Prof Yun Shi, NJIT, receiving the award for Prof. Mengchu Zhou, also of NJIT, between Mario Ogava and Amit J. Patel, Section Chair.



Closing remarks were by Amit Patel thanking Anne Giedlinski and Ken Oexle for organizing the reception.



## 1st Transistor IEEE Milestone Dedication IEEE.TV: ‘Bell Labs: The Transistor Milestone Event’



(Photo by Pete Bryon of Morris Plains)

L-R seated are early Bell Labs researchers: Dr. Alfred Mac Rae, Dr. Walter Brown, and Dr. Morris Tanenbaum.

L-R standing are: Dr. Michael Geselowitz Director, IEEE History Center at Rutgers University, Dr. Alexander B. Magoun, Executive Director, David Sarnoff Library, Dr. Rod C. Alferness, Chief Scientist at Alcatel-Lucent Bell Labs, Dr. Charles P. Rubenstein, Director-Elect, IEEE Region 1, Dr. Durga Misra, Chair, Southern Area, IEEE Region 1, and Amit J. Patel, Chair, IEEE North Jersey Section.

The North Jersey Section's fourth milestone plaque, with following citation, was officially dedicated at a ceremony held at Alcatel-Lucent Bell Labs, 600 Mountain Ave., Murray Hill, NJ, on Tuesday, December 8<sup>th</sup>. The dedication was hosted by Dr. Rod C. Alferness, Chief Scientist at Alcatel-Lucent Bell Labs, and was attended by over 80.

*'Invention of the First Transistor at Bell Telephone Laboratories, Inc., 1947*

*At this site, in Building 1, Room 1E455, from 17 November to 23 December 1947, Walter H. Brattain and John A. Bardeen -- under the direction of William B. Shockley -- discovered the transistor effect, and developed and demonstrated a point-contact germanium transistor. This led directly to developments in solid-state devices that revolutionized the electronics industry and changed the way people around the world lived, learned, worked, and played.'*

Anna Bogdanowicz, Assistant Editor, "The Institute" IEEE, was in charge of creating the IEEE.TV video 'Bell Labs: The Transistor Milestone Event' and she provided the introduction on site.

She is followed in the video by Dr. Morris Tanenbaum, IEEE Life Fellow, NAE, of Short Hills, who joined the Bell Labs Chemical Physics Department in 1952 and worked on the chemical composition of transistors. At William Shockley's prompting and with the invaluable collaboration of the technician Ernie Buehler, he made the world's first silicon transistor in January 1955. He relates how exciting it was to work at Bell Labs at the time.

Then next in the video is Dr. Alfred MacRae, IEEE Life Fellow, NAE, EDS Past Pres., of Berkeley Heights, who joined a department in Bell Labs in 1960 that included Walter Brattain. He noted how important the invention of the transistor was to the many computing platforms we have today.

Finally, the video concludes with Dr. Alferness, Chief Scientist at Alcatel-Lucent Bell Labs, NAE, Fellow - Optical Society of America, summarizing some the scientific advances being today based on the transistor solid state physics.

To view the IEEE.TV video, go to: <http://www.ieee.org/portal/ieeetv/viewer.html?proglD=123327>.

*The National Computational Science Institute  
and  
New Jersey Institute For Modeling and Visualization  
present*

## **A Kinder, Gentler Introduction to High Performance Computing Applications**

### **3rd Annual Week-Long Workshop for Researchers and Educators**

Kean University, Union, NJ

June 28 - July 2, 2010

Cost: FREE

Do you want to provide your students experiences with modern computational tools in your discipline? Do you want to explore research projects in high performance computing for your undergrads? Do you want to learn more about how common computational tools in your field run on large clusters? Do you want to explore visualization for datasets large and small?

Do you want a week of intensive learning away from your office, department meetings, and other work responsibilities?

The New Jersey Institute of Modeling and Visualization, in partnership with the National Computational Science Institute, is hosting a week-long workshop on high-performance computing (HPC) applications at Kean University from June 28th to July 2nd.

Our goal is to catalyze the infusion of HPC into all aspects of the undergraduate curriculum. An abiding interest in bringing the HPC paradigm to the next generation of engineers, mathematicians and scientists is the only essential prerequisite for attendance. The more diverse the backgrounds and interests of the workshop participants are, the richer the experience will be for everyone.

Accordingly, we anticipate having sessions that include everything from a focused introduction to supercomputing to breakout sessions in application areas determined by participant interest to advice about and support for building tools in widespread use among the scientific computing community.

This workshop will focus on helping faculty with the process of moving problems in their research, classroom, and student advising from the Desktop to High Performance Computing systems. With a focus on applications, participants will gain experience using a variety of HPC tools on a 130 node, 1040 core cluster and advanced visualization hardware.

Much of the content will be cross-disciplinary, focusing on the details of running problems on HPC hardware (technical issues related to logging on and executing programs, schedulers, and realistic expectations of speedup,) as well as visualization tools and cross-disciplinary mathematical tools.

Participants are encouraged to bring their own problems to the workshop as well, and we will poll participants ahead of time with regards to discipline specific programs that should also be demonstrated.

Familiarity with either C or FORTRAN programming is encouraged, but not essential, as the focus is on software tools. Participants are encouraged to have undergraduates enroll in and attend the workshop alongside them as part of a faculty-led team.

Additionally, specialized content will be selected based on applicant interest in a variety of parallel sessions, using domain specific applications in computational chemistry, physics, biology, and engineering.

This tutorial workshop is *\*FREE\** (except you have to pay your own transportation costs to and from the workshop venue), and we'll feed you and house you at no charge.

For more information, contact Prof. David Joiner ([djoiner@kean.edu](mailto:djoiner@kean.edu)).

For registration:

<http://www.computationalscience.org/>

Also be sure to check out other great workshop opportunities in the NCSI 2010 Summer Series at

<http://www.computationalscience.org/>

# IEEE North Jersey Section Course C# .NET Programming

Wednesday, October 20, 2010 through December 15, 2010  
Eight weekly classes (October 20, 27, November 3, 10, 17, December 1, 8, 15, 2010)  
Location: New Jersey Institute of Technology  
Newark, New Jersey 07102 (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 "C# .NET Programming". Since 2004, C# .NET has generated significant headway in Fortune 1000 enterprise development systems. Dice.com lists 1000+ C# .NET jobs in the New York tri-state area daily! This course will cover the fundamentals of C# language, the .NET framework, window and web-based applications, ADO.NET, ASP.NET, and XML. It will be useful for anyone to develop applications based upon these tools.

You will receive the IEEE Certificate of Completion when you finish the course. Microsoft Corp. has MCAD and MCS D certifications. You may wish to get certified by taking the necessary Microsoft exams with the knowledge gained from this course.

Instructor: **Donald Hsu, PhD**, has been a corporate manager for 11 years and is an experienced trainer. Since 2004, he has trained 850+ people in C++, Java, WebLogic, Database, XML, and C# .NET courses in 8 organizations.

### TOPICS

1. Compare the enterprise development tools using Java to C# .NET
2. Define Visual Studio .NET Version 2008
3. Identify C# syntax, data type, control structures and common language runtime
4. Distinguish methods, arrays, object-oriented programming
5. Build graphical user interface, multithreading, files and streams
6. Explain the benefit of using extensible markup language (XML)
7. Select database, SQL server, and ADO .NET
8. Choose ASP .NET, web forms, web services, advanced topics
9. Present student Projects

**WHERE:** New Jersey Institute of Technology, Newark, NJ  
**WHEN:** Eight evenings, October 20, 27, November 3, 10, 17, December 1, 8, 15, 2010, 6:30 to 9:00 PM.  
**COST:** IEEE (& affiliate) members \$500; Non-IEEE members \$550.  
**CONTACT:** Donald Hsu, yanyou "AT" hotmail.com

### REGISTRATION: C# .NET Programming

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**

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 Completion Certificate

Signature: \_\_\_\_\_



# IEEE North Jersey Section Course Project Management

*Saturday Mornings, October 9, 2010 through December 4, 2010  
Eight weekly classes (October 9, 16, 23, 30, November 6, 13, 20, December 4, 2010)  
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 a course "Project Management". Dice.com lists 4,000+ 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 is an experienced trainer. Since 2003, he has trained 900+ people in Contract Procurement, IT Project+, MS Project, and Project Management courses in eleven organizations.

### 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 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 and present student Projects

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

**WHEN:** 8 Saturdays, October 9, 16, 23, 30, November 6, 13, 20, December 4, 2010, 9:30 AM - 12:00 noon.

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

**CONTACT:** Donald Hsu: [yanyou "AT" hotmail.com](mailto:yanyou@AT@hotmail.com)

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### 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 \_\_\_\_\_

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Employer: \_\_\_\_\_

Employer Address: \_\_\_\_\_

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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 Completion Certificate

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