



THE IEEE NORTH JERSEY SECTION NEWSLETTER

Vol. 60, No. 4

APRIL 2013

Calendar of Events

- April 3, 4:45 PM to 6:00 PM: IEEE MTT/AP, C&S, EDS, and NJIT - A Novel Two Step Procedure for Microwave Breast Cancer Imaging** - Dr. Ibrahim Akduman, Istanbul Technical University, TURKEY
Location: NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102 [Getting to NJIT](#)
Contact: Durga Misra (dmisra@njit.edu); Edip Niver niver@adm.njit.edu, Dr. Ajay Poddar (akpoddar@synergymwave.com) [Read More...](#)
- April 3, 6:00 PM to 8:45 PM: IEEE North Jersey Section EXCOM meeting - Clifton, NJ**
Location: Clifton Public Library - Allwood Branch, Activity Room, 44 Lyall Road, Clifton, NJ 07012 [Getting to Clifton Library](#)
Contact: Russell Pepe (rcpepe@ieee.org), Chris Peckham cdp@ieee.org and/or Adriaan J. van Wijngaarden, (avw@ieee.org) [Read More...](#)
- April 10, 6:30 PM to 8:45 PM: PACE - ENGINEERS MEET - ABOUT IEEE-USA** - Peter A. Eckstein. IEEE, Region 1 Director
Location: Clifton Memorial Library, 292 Piaget Ave, Clifton, NJ 07011 [Getting to Clifton Library](#)
Contact: Paul Ward, (973)-790-1625, (peward@ieee.org) Richard F. Tax, (201)-664-6954 (rtax@aea.net), [Read More...](#)
- April 11, 12:00 PM to 1:00 PM: Computer Society & FDU - Transforming ICT Networks for a Sustainable Future** - Dr. Thierry Klein, Alcatel-Lucent **Location:** Auditorium M105, Muscarelle Center Fairleigh Dickinson University, Teaneck, NJ 07666 [Getting to FDU](#)
Contact: Hong Zhao (201)-692-2350, (zhao@fd.edu); Howard Leach (h.leach@ieee.org) [Read More...](#)
- April 17, 6:30 PM to 8:30 PM: Circuits and Systems & EDS – Low Power Deep Submicron Designs** - Rakesh Chadha, eSilicon Corporation
Location: NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102 [Getting to NJIT](#)
Contact: Durga Misra (dmisra@njit.edu); Edip Niver niver@adm.njit.edu [Read More...](#)
- April 25, 11:00 AM to 12:00 PM: SMC Chapter – Stochastic Modeling and Quality Evaluation of Infrastructure-as-a-Service Clouds**, Yunni Xia, Chongqing University
Location: NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102 [Getting to NJIT](#)
Contact: Mengchu Zhou (zhou@njit.edu) [Read More...](#)
- May 3, 3:00 PM to 5:00 PM: SAC, WIE, GOLD - IEEE North Jersey Student Chapter Graduation Reception**
Location: Stevens Institute of Technology, Hoboken NJ 07030, [Getting to Stevens Institute of Technology](#)
Contact: Russell Pepe (rcpepe@ieee.org), Adriaan J. van Wijngaarden, (avw@ieee.org) [Read More...](#)
- May 5, 3:00 PM to 6:00 PM: IEEE North Jersey Section Awards Banquet**
Location: Building: Birchwood Manor, 111 North Jefferson Road, Whippany, New Jersey
[Getting to Birchwood Manor - Whippany](#)
Contact: Russell Pepe (rcpepe@ieee.org), Adriaan J. van Wijngaarden, (avw@ieee.org) [Read More...](#)
- May 8, 6:30 PM to 7:30 PM: Patents and technology: Managing protection for your products**
Location: 201 McLean Boulevard, Paterson, NJ 07504 [Getting to Synergy Microwave Corporation](#)
Contact: Dr. Ajay Poddar (201)-560-3806 (akpoddar@synergymwave.com); Tony Almeida (alemida@synergymwave.com) [Read More...](#)
- June 5, 5:30 PM to 6:30 PM: IEEE North Jersey Section senior Member Drive 2013**
Location: Bell Laboratories, Alcatel-Lucent, Main Building, Room Number: 6A-106, 600 Mountain Avenue, Murray Hill, NJ 07974, [Getting to Bell Labs](#)
Contact: Mani Iyer mani.iyer@ieee.org, Dr. Ajay K. Poddar (201)-560-3806 (akpoddar@synergymwave.com); [Read More...](#)

Reminders and Announcements

- 2013 IEEE Fellows – IEEE North Jersey Section
- North Jersey Section Employment Network Announcement
- How to subscribe to this newsletter if you are not a North Jersey IEEE Member?
- Welcome! New Members of the IEEE North Jersey Section
- North Jersey Section Seeks Committee Chairs and Section Volunteers
- Job Posting
- C# .NET Programming in Five Saturdays

Prior registration is encouraged and appreciated.

You do not have to be an IEEE member to attend any event.

For up to date information, visit our website: [IEEE North Jersey Section](#) or visit [Webinabox.vTools](#)

Report from the Chair

Russell C. Pepe

Chair, IEEE North Jersey Section

Spring is upon us, and the IEEE North Jersey Section is in full swing. We are on track to accomplish our goals for 2013. On May 5, 2014, the IEEE North Jersey Section will be celebrating its 60th Anniversary. We are planning ahead to celebrate this landmark in our history. Stay in touch to learn more about celebratory functions scheduled for the 60th Anniversary. Please join us at our next EXCOM Meeting at the Clifton Library on Wednesday, April 3, 2013 at 6:00 pm. We are always seeking new volunteers to help with our various Societies, Groups, Committees and Activities. Feel free to send me an e-mail directly at rcpepe@ieee.org. My e-mail door is always open.

On March 9, 2013, IEEE Region 1 held its “2013 IEEE Region 1 Board of Governors Winter Meeting” near JFK Airport. The IEEE is divided into 10 Regions Internationally. The North Jersey Section is part of Region 1. For your reference, Region 1 is comprised of 26 sections in the Northeastern USA, spanning from Mercer/Monmouth Counties in New Jersey to Maine, including all of New York.

I wanted to share some of the highlights of the Region 1 Meeting with you all. Peter Eckstein, Region 1 Director opened the proceedings. The Region 1 Director Elect, Vincent Socci next introduced himself and made a brief presentation. Various reports were presented by a multitude of Committees. Details regarding the Region 1 Meeting can be found on the Region 1 Web Site (sites.ieee.org/r1). I wanted to underscore a few matters which I believe would be of particular interest to the Membership. Video Modules for Volunteer Training will be available on the IEEE Web Site through the Center for Leadership Excellence (CLE). Another Senior Member elevation membership drive will be held in 2013. The 2012 Senior Member elevation membership drive held during the IEEE Region 1 Summer Meeting at the Marriott Hotel at Newark Airport was very successful. The IEEE Career Advancement Workshop is scheduled for Saturday, May 18, 2013 at Fairleigh Dickinson University in Teaneck/Hackensack, NJ. Go to: www.ewh.ieee.org/r1/metsac/ for information and registration. The 2013 IEEE Region 1 Student Conference is scheduled for April 5-6, 2013 at Massachusetts Institute of Technology in Cambridge, MA. To register, go to: https://meetings.vTools.ieee.org/meeting_view/list_meeting/17007. To submit a paper for the student paper contest, go to: <https://ieee-r1-studentconference.myreviewroom.com>. A conference devoted to dc utility power, Reliable dc Power NERC in the 21st Century, is scheduled for October 7-8, 2013 at the Holiday Inn Long Island-Islip Airport in Ronkonkoma, NY. For details, go to: www.powerqualityadvisors.com. The 2013 IEEE Global Humanitarian Technology Conference (GHTC) will be held at the San Jose Airport Garden Hotel on October 20-23, 2013. More information is available at: www.ieeeghtc.com. Additionally, the IEEE-USA Annual Meeting will be held in Providence, Rhode Island, on May 15-18, 2013, the Summer 2013 Board of Governors Meeting will be held in Providence, Rhode Island in August 2013, and the IEEE Section Congress will be held in Amsterdam, on August 22-25, 2014.

During the meeting, the North Jersey Section reported its activities for 2013. The following is a summary of the North Jersey Section’s objectives for 2013:

1. EXCOM meetings on the first Wednesday of each month at various locations in northern NJ, such that we can attract members from different geographic areas within the Section.
2. Our Awards Banquet will be held on Sunday May 5. We will honor seven Fellows and three Region One Award recipients from our Section this year. PACE will also receive the Alex Gruenwald Region 1 PACE Award. PES will receive the PES Outstanding Engineer Award.
3. We plan to host a Membership Drive in June 2013 prior to an EXCOM meeting and at a Somerset Patriots baseball game.
4. We hope to present IEEE Milestones to Bell Labs in Murray Hill in late 2013.
5. We are in the process of establishing a North Jersey Section EMC Society.

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6. Each Society is mandated to hold at least two technical meetings per year. We encourage all our Societies to hold more than two meetings. Many hold one meeting per month.
7. We installed a Chair for Pre-University activities, and plan to expand the scope of this Committee in our Section.
8. We installed a Chair for the Government and Industry Liaison. The scope of this Committee will include bringing Industry and Government to work mutually with the IEEE North Jersey Section. Ultimately, we want to reverse the flight of technical jobs out of NJ. We want to keep technical companies in NJ, increase technical job opportunities, and help provide the industry with more and better trained technical personnel. Our first step in 2013 will be to present the problem to the attention of our state and federal politicians.
9. The MTT Mini-Show will be held again in October 2013. Due to the past popularity of the conference, we may plan to expand the exhibits and technical presentations this year. These plans are still under review.
10. Our Education Committee is running various courses. We subsidize these courses for unemployed engineers. Nonetheless, these courses generate income for the Section.
11. PES continues to hold seminars which provide Continuing Education Units for Professional Engineers and also serves as an additional income producer for the Section.
12. We are in the planning stages for the sixtieth anniversary of the North Jersey Section in 2014.
13. I further plan to focus the attention of the North Jersey Section for 2013 on accomplishing the following goals:
 - a. Increase Membership.
 - b. Increase Student Membership.
 - c. Maintain Membership after graduation.
 - d. Increase Senior Member elevation.
 - e. Increase the number of volunteers to the North Jersey Section EXCOM, and make all volunteers active contributors.

Well, that is all I have to report for now. Please keep in touch, and let me know how I can be of service to you.

Sincerely,

Russell C. Pepe

Chair, IEEE North Jersey Section
201-960-6796; (rcpepe@ieee.org)

2013 IEEE Fellows – IEEE North Jersey Section

The IEEE Grade of Fellow is conferred by the IEEE Board of Directors upon a person with an outstanding record of accomplishments in any of the IEEE fields of interest. The total number selected in any one year cannot exceed one-tenth of one-percent of the total voting membership. IEEE Fellow is the highest grade of membership and is recognized by the technical community as a prestigious honor and an important career achievement. 297 individuals have been elevated to IEEE Fellow for 2013. The IEEE North Jersey Section is pleased that seven of its members were elevated to Fellow grade. They will be honored at our Awards Banquet on May 5, 2013. Please check the meeting calendar for further details and for information on registering for the banquet.

Peter Balma

for leadership in developing technical guides for electric power equipment

Peter Balma is an Electric Power Engineering consultant, and has a BSEE from New Jersey Institute of Technology, and a M. Eng. and Ph.D. from Rensselaer Polytechnic Institute.

Early in his career, he joined Public Service Electric & Gas Company where he performed steady state and transient system behavior studies, reviewed major equipment failures, and investigated new design concepts. He was responsible for excitation system engineering and retrofit system replacements, and conducted transient, harmonic, and conceptual design studies for electric system expansion. As a major contributor to a nuclear industry first, he worked on the replacement of a 1300 MVA Westinghouse generator with an unlike General Electric unit, maintaining the existing turbine.

During the 1990's he directed all the engineering and construction activities for the Electric Distribution Department, managing both projects and engineering & construction of new and expanded switching and substations ranging from 4 to 500 kV. This included obtaining and allocating resources for a multi-million dollar construction program affecting system safety, operation, and reliability; and providing the technical direction for the procurement and installation of major substation equipment.

As PSE&G's Manager of Asset Reliability, Dr. Balma worked as PSE&G's chief engineer for the Electric Delivery Department for all inside and outside plant facilities, driving engineering standards while utilizing Reliability Centered Maintenance and Asset Management techniques to maximize reliability and minimize cost.

In 2006, Dr. Balma began consulting for the Electric Power industry. This endeavor has included the analysis of the design of the bulk electric system; emergent system issues; and the analysis and specification of power transformers. Further, in response to Federal regulations, he has developed and applied methodologies for the thermal rating of switching and substation components; and has performed research on increasing power flow through substation equipment, the ratings of bushing CTs, and ratings programs for EPRI. He

also has facilitated investigations into aging and remaining life of high voltage, fluid filled cable systems.

Throughout his career, he has maintained a special focus on large power transformers in both his work and research. Areas of interest have included short circuit forces, the complete specification, procurement, design, and installation process, and ongoing operational and failure analysis throughout a transformers life cycle.

Dr. Balma is a member of the IEEE Power & Energy Society, the IEEE Transformers Committee, and the IEEE Standards Association Standards Board. In addition, he has authored or coauthored several technical papers including the Power Engineering Society's 2000 prize paper, and is a registered Professional Engineer and Planner in the State of New Jersey.



Enrico Bocchieri

for contributions to computational models for speech recognition

Enrico Bocchieri received his M.S. and Ph.D degrees from the University of Florida, and a "Laurea cum Laude" from the University of Pavia, Italy, all in Electrical Engineering. He was a member

of Technical Staff with the Central Research Laboratories of Texas Instruments from 1984 to 1987, and with Bell Communication Research from 1987 to 1990. He then joined the AT&T Bell Laboratories, Information Principle Research Department. Since the AT&T-Lucent divestiture in 1995, he has been a Principal Technical Staff Member with AT&T Research.

Enrico Bocchieri's main research interests are in automatic speech recognition, signal processing, artificial neural networks and machine learning. In 2013, he has become an IEEE Fellow for contributions to computational models for speech recognition. He has been a member of the IEEE Speech and Language Processing Technical Committee from 2009 to 2011, and he received the IEEE Signal Processing Society Best Paper Awards in 2004 and 1987. He serves as technical reviewer of IEEE Conferences and Journals, in the area of automatic speech recognition.



Ramon Caceres

for contributions to mobile computing and communications

Ramon Caceres is an experimental researcher in computer systems and networks. His research interests include mobile and ubiquitous computing, human mobility, wireless networking, network measurement, virtualization, security, and privacy. He is currently a Lead Member of Technical Staff at AT&T Labs - Research. He has previously been a research scientist at IBM Research and Bell Labs. Ramon has also held leadership positions in several startup companies, including Chief

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Scientist of Vindigo, an award-winning provider of location-based services for mobile devices.

Ramon has published widely cited papers in the computing and networking research literature. He has served as technical program chair of MobiSys, MobiCom, MobiVirt, and HotMobile, and on the program committees of numerous other conferences and workshops. He has also been on the editorial boards of IEEE Pervasive Computing, IEEE Transactions on Mobile Computing, and IEEE/ACM Transactions on Networking.

Ramon holds Ph.D. and M.S. degrees in Computer Science from the University of California at Berkeley, and a B.Eng. in Electrical Engineering from McGill University. He was born and raised in Dominican Republic.



Bruce Fardanesh

for contributions to phasor measurement technology and Flexible AC Transmission Systems

Bruce Fardanesh is currently the Chief Electrical Engineer of the New York Power Authority (NYPA) where he directs all activities related to power systems planning and operation, system protection and control, power systems equipment and metering. In his former role as the NYPA CTO he was responsible for all new technology development and implementation to benefit NYPA's core business in the areas of generation and transmission.

Dr. Fardanesh received his B.S. in Electrical Engineering from Sharif University of Technology in Tehran, Iran in 1979. He also received his M.S. and Doctor of Engineering degrees both in Electrical Engineering from the University of Missouri-Rolla and Cleveland State University in 1981 and 1985, respectively. His research areas of interest are power system analysis, modeling, dynamics, operation, and control. He is the author or co-author of 30 journal articles and over 50 conference papers as well as many technical reports. His research activities include power system optimization and optimal operation, development of new power system analysis tools, application of phasor measurements to smarter grid operation and control, as well as development and application of advanced Flexible AC Transmission Systems (FACTS) controllers in power systems. He is the inventor of the direct non-iterative state estimator for power grids, a key application within all energy management systems at grid operation and control centers. He has also been teaching graduate and undergraduate courses in power systems and electric machines areas at NYU-Polytechnic and Manhattan College for over 25 years and has been dissertation advisor to a number of PhD graduates.

Dr. Fardanesh serves on the EPRI Research Advisory Committee (RAC) and is a member of CIGRE. He is also a member of the advisory board for the Center for Future Energy Systems (CFES) at Rensselaer Polytechnic Institute (RPI).



Saeed Ghassemzadeh

for contributions to measurement and modeling of broadband wireless channels and their applications to system design

Saeed Ghassemzadeh received his Ph.D. degree in electrical engineering from the City University of New York in 1994.

From 1989-1992, he was with SCS Mobilecom, a wireless technology development company, where he conducted research in the areas of propagation and CDMA systems. In 1992, SCS Mobilecom merged with IMM (International Mobile Machines) to form InterDigital Communications corp.. From 1992-1995, while pursuing his Ph.D., he worked as a principal research engineer at InterDigital, where he conducted research in the areas of fixed/mobile wireless channels and was involved in system design/development, integration, and testing of Broadband CDMA systems.

In 1995, he joined AT&T Wireless communication center of excellence at AT&T Bell-Labs as a member of technical staff involved in design and development of the fixed wireless base station development team. He also conducted research in areas of CDMA access technologies, propagation channel measurement and modeling, satellite communications, wireless local area networks and coding in wireless systems. Currently, he is a principal member of technical staff in Communication Technology Research department at AT&T Labs-Research, Florham Park, NJ. His current research interest includes wireless channel measurement and modeling, wireless LANs, remote tele-health monitoring and agile radio.

Saeed is an editor for IEEE Transactions on Wireless Communications and Journal of Communications and Networks. He is a member of IEEE communication and IEEE Vehicular technology societies.



Peter Pupalais

for contributions to high-speed waveform digitizing instruments

Peter Pupalais is a Vice-President at Teledyne LeCroy. He has worked at Teledyne LeCroy since 1995 and currently manages integrated-circuit development, signal processing and intellectual property. Prior to Teledyne LeCroy, he served in the United States Army, consulted in embedded system design, and developed instruments at Honeywell Industrial Automation and Controls.

Mr. Pupalais has thirty-one patents, and has published numerous papers in the area of measurement instrument design. He is a member of Tau Beta Pi, Eta Kappa Nu and the IEEE signal processing, instrumentation, solid-state circuits and microwave societies. He received a B.S. degree in electrical engineering from Rutgers University, New Brunswick, New Jersey.



Harish Viswanathan

for contributions to wireless communication systems

Harish Viswanathan received the B. Tech. degree from the Department of Electrical Engineering, Indian Institute of Technology, Chennai, India in 1992 and the M.S. and Ph.D. degrees from the School of Electrical Engineering, Cornell University, Ithaca, NY in 1995 and 1997, respectively. He was a recipient of the Sage Fellowship at Cornell. Since joining Bell Labs in October 1997, he has worked on multiple antenna technology for cellular wireless networks, network optimization, mesh networking, and M2M communications. He is currently a CTO Advisor to the Corporate CTO. His current

responsibilities include identifying strategic technology directions that Alcatel-Lucent should adopt. His research interests are communications theory, information theory and networking.

Job Posting

DSPcon are looking for a Client Server Engineer who will be a key liaison with our Fortune 50 client design teams. This will be a Full Time Employee or a Contractor.

**Immediate phone interview

**Must be willing to work in Bridgewater, NJ

Contact: Robert Jones (bob.jones@cdicorp.com)

Meeting Announcements

April 3, 2013

IEEE MTT/AP, C&S, EDS, and NJIT - A Novel Two Step Procedure for Microwave Breast Cancer Imaging

Speaker: Dr. Ibrahim Akduman, Professor, Istanbul Technical University, Istanbul, Turkey

Abstract: In this talk, a new and effective microwave tomography approach for the breast cancer detection and imaging will be presented. To this aim, the breast is illuminated by a time-harmonic continuous electromagnetic wave at microwave frequencies through an antenna system moving on a semi-spherical surface over the breast and the scattered electric field vector is measured by the same antenna system. The imaging method given here consists of two steps. In the first step, the scattered electric field vector is analytically continued to the breast surface via surface potentials together with Taylor expansions and the inhomogeneous surface impedance is calculated through the standard impedance boundary condition. Then, the detection is achieved by observing the contributions of the malignant tissues to the surface impedance. The surface impedance is a function of the operating frequency, material properties of the malignant tumour and these features allow one to detect, approximately locate and classify the tumours. In the second step, the material (dielectric coefficient and conductivity) and geometrical properties (location and shape) of the tumour are determined through the modification of the Contrast Source (CS) approach to the new measurement configuration. The method requires the Dyadic Green's function of the body-breast configuration and it is calculated here by the adaptation of the Buried Object Approach and accelerated by the method of discrete complex images. A microwave breast cancer imaging system prototype which uses above mentioned approach is also created and will be used in clinical trials soon.

Biography: Dr. Ibrahim Akduman was born in Konya, Turkey in 1963. He received his BSc, MSc and PhD degrees in Electronics and Communication Engineering from Istanbul Technical University in 1984, 1987 and 1990, respectively. He worked as a visiting scientist at Polytechnic University, New York (1991), King's College London (1995), New Jersey Institute of Technology (2000), University of Goettingen, Germany (2001). He is awarded as a Humboldt research fellow in 2001. He served as the Dean of the Electrical and Electronics Engineering Faculty at Istanbul Technical University between June 1999 and July 2001 and vice president of the same university between 2002 and 2004. He is currently head of Electronics and Communication Department at Istanbul Technical

University. He received the Turkish Scientific and Technological Research Council Young Scientist Award in 2000. His research interests are in the areas of direct and inverse scattering problems in electromagnetic theory, microwave breast cancer imaging, antenna theory, computational electromagnetics, and integral equations. He has established two start-up companies to convert his research results into products.

Location: NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102 [Getting to NJIT](#)

Time: 4:45 PM to 6:00 PM:

Contact: Dr. Ajay Poddar (akpoddar@synergymwave.com) (201-560-3806), Durga Misra (dmisra@njit.edu);

Edip Niver (niver@adm.njit.edu),

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[Back to Calendar of Events](#)

April 3, 2013

IEEE North Jersey Section EXCOM meeting - Clifton, NJ

This executive committee (EXCOM) meeting of the IEEE North Jersey Section will be held in the Activity Room of the Clifton Public Library, Allwood Branch, 44 Lyall Road, Clifton, NJ 07012, Tel. (973) 471 0555). There will be a get-together with a buffet starting at 6 pm. The meeting starts at 7 pm EST and typically ends at 8:45 pm, when the library closes.

The meeting is meant to discuss and coordinate the section's activities and new initiatives. Everyone is welcome to attend this meeting. Please register in advance for this meeting using VTOOLS to provide the meeting organizers an accurate head count. You can change/cancel the registration if your plans change.

The meeting agenda typically includes reports from the Secretary and Treasurer, reports from the Chapter and Affinity Group Chairs and Representatives, Committee Chairs, news related to the IEEE and the North Jersey Section, planning and new initiatives.

Location: Allwood Branch, Activity Room, 44 Lyall Road, Clifton, NJ 07012 [Getting to Clifton Library](#)

Time: 06:00PM to 08:45PM

6:00 pm - 7:00 pm - Get-together and Buffet

7:00 pm - 8:45 pm - Meeting

No Admission Charge

Contact: Russell Pepe (rcpepe@ieee.org),

Chris Peckham (cdp@ieee.org)

Adriaan J. van Wijngaarden, (avw@ieee.org)

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[Back to Calendar of Events](#)

April 10, 2013

PACE presents: Engineers Meet – About IEEE USA

This meeting will bring you face to face with your Region 1 Director and his discussion about the activities of IEEE-USA, its staff, benefits, leadership and the issues that influence our members. Is it alive, thriving, dead, failing, succeeding? What are their goals? Is this an IEEE Section, Regional or National subject? If so, how are these geographic locations responding? Are they solving the problems facing North Jersey Section Engineers? What are the topics of interest? Who are our representatives? Peter will discuss history and these issues about IEEE-USA.

Our goal: ideas shared over our open discussion will help members better understand IEEE, IEEE-USA, their influence in Engineering and most important – our employment opportunities.

You are encouraged to attend and bring your spouse and associates to this discussion. Y'all come and joins us! Keep cool and enjoy great company with Pizza and refreshments.

Speaker: Peter A. Eckstein is our IEEE, Region 1 Director

Biography: Now in his second year, Peter A. Eckstein our IEEE, Region 1 Director, has a long history of professional experience and involvement with IEEE.

Peter received a B.S. Degree in Electrical Technology from the New York Institute of Technology in 1967. He received an M.S. in Applied Physics from Adelphi University in 1971 and an M.S. in Management Engineering in 1974.

Eckstein is retired from Northrop Grumman Corp., where he held various engineering managerial positions of increasing responsibility. He was primarily involved in the design and development of support equipment for Navy electronic warfare system, weapon avionics.

In addition, Peter is an Adjunct Professor of Physics at Suffolk County Community College, where he is responsible for lecture and lab development of calculus and algebra based undergraduate physics courses. At Queensborough Community College, he teaches physics and astronomy. At the United States Merchant Marine Academy, he teaches physics and engineering.

Location: Clifton Memorial Library, 292 Piaget Ave, Clifton, NJ 07011 [Getting to Clifton Library](#)

Time: 06:30PM to 9:00PM

Contact: Paul Ward, (973)-790-1625, (peward@ieee.org)

Richard F. Tax, (201)-664-6954 (rtax@aea.net)

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[Back to Calendar of Events](#)

April 11, 2013

IEEE Computer Society and FDU present:

Transforming ICT Networks for a Sustainable Future

Speaker: Dr. Thierry Klein, Head of Green Research at Bell Labs, Alcatel-Lucent

Abstract: With the continued exponential growth of applications, services, devices and machines all being connected to the network, the total Internet traffic in the next decade is expected to grow to a level that is 30 to 100 times that of current levels. One of the challenges for next-generation networks is the ability to support the predicted traffic in a sustainable and economically viable way. In addition to the resulting increased power consumption, the rising energy costs, the environmental impact of networks, and more socially conscious consumers and service providers demand that our future communication and data networks are greener and more sustainable. During this presentation, Dr. Klein will review some of the current trends in communication and data networks and discuss the latest research to improve energy efficiency and reduce power consumption in wireless, wireline access, packet data and optical networks. He will also provide an overview and a status update of the GreenTouch consortium, an industry-wide initiative founded under the leadership of Bell Labs with the mission to deliver architectures, solutions and specifications, and to demonstrate key technologies, to improve the network energy efficiency by a factor 1000 compared to 2010 levels.

Biography: Dr. Thierry Klein is the Head of Green Research at Bell Labs, Alcatel-Lucent leading a large team of researchers, engineers and scientists across multiple departments, research domains and locations with the mission to conduct research towards the design, development and use of sustainable future communications and data networks. He also serves as the Chairman of the Technical Committee of GreenTouch, a global consortium dedicated to improve energy efficiency in networks by a factor 1000x compared to 2010 levels. He joined Bell Labs Research in Murray Hill, New Jersey in 2001. In 2007, Thierry founded a start-up company focused on wireless communications for emergency response situations within Alcatel-Lucent Ventures. Thierry served as the CTO of the Venture until his return to Bell Labs Research in February 2010, when he became the Director of the End to End Wireless Networking Research Department. He earned an MS in Mechanical Engineering and an MS in Electrical Engineering from the Université de Nantes and the Ecole Centrale de Nantes in Nantes, France. Thierry received a PhD in Electrical Engineering and Computer Science from the Massachusetts Institute of Technology, USA. He is an author on over 35 peer-reviewed conference and journal publications and an inventor on 36 patent applications. He is a member of the Alcatel-Lucent Technical Academy and the recipient of a Bell Labs's President Award and two Bell Labs Teamwork Awards. In 2010, he was voted "Technologist of the Year" at the Total Telecom World Vendor Awards.

Location: Auditorium M105, Muscarelle Center Fairleigh Dickinson University, Teaneck, NJ 07666 [Getting to FDU](#)

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Time: 12:00PM to 1:00 PM

No Admission Charge

Contact: Hong Zhao (201)-692-2350, (zhao@fd.edu)

Howard Leach (h.leach@ieee.org)

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[Back to Calendar of Events](#)

April 17, 2013

IEEE Circuits and Systems and EDS present:

Low Power Deep Submicron Designs

Speaker: Rakesh Chaddha, eSilicon Corporation

Abstract: The talk provides an overview of techniques utilized for achieving low power implementation for deep submicron digital design. Major contributors for power dissipation in digital CMOS designs will be described. The power analysis and the power variation with respect to technology parameters and the design style will be explained. The power management techniques such as shutting down portions of design will be described. The formal power management specification such as UPF / CPF will be covered. Other advanced techniques such as voltage scaling (static or dynamic) will be described.

Biography: Dr. Rakesh Chadha is an ASIC design specialist with over 25 years of experience in timing and signal integrity at Bell Laboratories, Cadence and eSilicon. He was responsible for the timing and signal integrity for the Sematech project on Chip Parasitic Extraction and Signal Integrity Verification. He has been responsible for complex SOC design methodology for several generations of process technologies. He holds a PH.D. degree in Electrical Engineering from the Indian Institute of Technology, Kanpur.

Email: rchadha@esilicon.com

Address: 890 Mountain Avenue, Suite 215, , New Providence, New Jersey, United States, 07974

Location: NJIT - ECE 202, 161 Warren Street, Newark, NJ 07102 [Getting to NJIT](#)

Time: 6:30 PM to 8:30 PM

Contacts: Durga Misra (dmisra@njit.edu),
Edip Niver (niver@adm.njit.edu)

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[Back to Calendar of Events](#)

April 25, 2013

IEEE SMC Chapter presents:

Stochastic Modeling and Quality Evaluation of Infrastructure-as-a-Service Clouds

Speaker: Yunni Xia, Ph.D. and Associate Professor, Chongqing University

Abstract: Cloud computing is a recently developed new technology for complex systems with massive service sharing, which is different from the resource sharing of the grid computing systems. IaaS is a provision model in which an

organization outsources the equipment used to support operations, including storage, hardware, servers and networking components. Instances are created on IaaS computational resources in the form of virtual machines (VM) and deployed in a cloud data center. Quality modeling and analysis of IaaS clouds are not easy tasks because of the complexity of the automated provisioning mechanism and dynamically changing cloud environment. A careful investigation into existing methods has found their limitations when applied to address the quality analysis challenge: 1) incomplete modeling of details such as machine provisioning, request handling, and machine failure/repair process, 2) reliance on measurement-based QoS data which require extensive experimentations and real-system tests, and 3) separate modeling of provisioning phases which simplifies the solution but loses accuracy. In this study, we propose a comprehensive quality determination framework for Infrastructure-as-a-Service clouds. It features with: 1) taking machine provisioning, request handling, machine occupation/releasing, and machine failure/repair process mechanism into an unified analytical model, 2) employing queuing networks as the fundamental means of quality analysis, 3) analytical solutions of three important quality metrics, 4) analytical modeling of different strategies of machine warm-up/cool-down and the ability to identify the optimal balance between system overhead and performance, and 5) a confidence interval analysis to validate model correctness based on simulative QoS data. The proposed framework can aid the design and optimization of industrial cloud computing systems and practitioners' understanding of quality aspects of cloud-based applications.

Biography: Yunni Xia received the PhD degree from the computer science Department, Peking University, China, in 2008. He is currently an Associate Professor with the School of Computers, Chongqing University, China. He is an active member of the special interest group of Petri nets of China's computer federation. His research interests include performance evaluation, Petri nets, stochastic analysis, service-oriented architectures. He is a member of the IEEE.

Location: NJIT, ECE 202, 161 Warren Street, Newark, NJ 07102 [Getting to NJIT](#)

Time: 11:00 AM to 12:00 PM

Contact: Prof. Mengchu Zhou, 973-596-6282, zhou@njit.edu

[For Updates and Registration - Click Here](#)

[Back to Calendar of Events](#)

May 3, 2013

IEEE SAC, GOLD, and WIE present:

North Jersey Student Chapter Graduation Reception

This event is a way for the North Jersey Executive Committee to congratulate the IEEE student members who are graduating as well as to honor the service given to the IEEE branches by the students. Russell Pepe will give a talk on how important it is to stay active in IEEE after graduation.

Location: Stevens Institute of Technology, Hoboken, NJ 07030

[Getting to Stevens Institute of Technology](#)

Time: 03:00PM to 05:00PM

[For Updates and Registration - Click Here](#)

[Back to Calendar of Events](#)

May 5, 2013

IEEE North Jersey Section Awards Banquet

The annual IEEE North Jersey Section Awards Banquet will be held on Sunday, May 5, 2013 at the Birchwood Manor, in Whippany, New Jersey.

A time to relax, unwind and enjoy –

A time to pay tribute to our new Fellows –

A time to honor our Award Winners –

The Annual Section IEEE Awards Reception will be held at: The Birchwood Manor, 111 North Jefferson Road, Whippany this year. The Awards Banquet is scheduled for Sunday, May 5, 2013 from 3 pm to 6 pm. Spouses and guests are welcome. Tickets are \$35 per person. The capacity of the location is 90 persons, so please make your reservations early. Please use the vTools link to make the reservation. Please register all persons by completing the name, address, and e-mail entries on the form. Payments can be made through vTools, or by sending a check, payable to the IEEE North Jersey Section, with your name(s), address and e-mail to Russell Pepe, 43 Rambling Drive, Scotch Plains, NJ 07076, by Monday April 29, 2013. We will send you a confirmation e-mail upon request.

For more information, please contact Adriaan J.van Wijngaarden (avw@ieee.org).

Location: Building: Birchwood Manor, 111 North Jefferson Road, Whippany, New Jersey, [Getting to Birchwood Manor](#)

Time: 3:00 PM to 6:00 PM

Contacts: Ken Oexle, Awards Committee Chair, Russell Pepe, Chair (rcpepe@ieee.org), Adriaan van Wijngaarden, First Vice-Chair (avw@ieee.org)

[Click Here: For Registration and Updates for the IEEE North Jersey Section - Awards Banquet – 2013](#)

Alternatively, please mail the completed registration below, with a check (payable to “IEEE North Jersey Section”) to: Russell Pepe, IEEE North Jersey Section,

Name: _____

Email address _____

Non-member

IEEE Member

Member #: _____

Member of _____ **Technical Society**

Business (day) telephone #: _____

Home Address: _____

Home telephone #: _____

Signature: _____

[Back to Calendar of Events](#)

May 8, 2013

IEEE TMC and MTT/AP-S present:

Patents and Technology: Managing Protection for your Products

Speaker: Joel Miller, Esq.

Abstract: Working with a hypothetical, new product, we will explore various options for protecting the product and its design (i.e., with patents, trade secrets, copyrights, and trademarks) and discuss how you would employ them. Our goal will be to develop a comprehensive strategy for the protection and management of the technology. We will also consider how to best manage a portfolio of patents, trademarks, copyrights, and trade secrets. Everyone will have an opportunity to participate in the discussion.

Biography:

Joel Miller specializes in patent, trademark, copyright, unfair competition, and antitrust law. Mr. Miller’s practice involves securing patents, trademarks, and copyrights, litigation, and licensing. He has worked in a variety of technologies including telecommunications, semiconductors, avionics, medical electronics, and computer hardware and software.

Following graduation from law school, Mr. Miller served as a patent examiner in the U.S. Patent and Trademark Office, examining patent applications in the fields of telemetry, digital display systems, and computers. He also served as patent counsel and counsel for the Kearfott Division of the former Singer Company, handling patent matters, licensing, trade secret and export issues, and employment-related litigation. Prior to establishing his solo practice in 1991, Mr. Miller was associated with the law firm of Weil, Gotshal & Manges in New York City, where he worked on a variety of patent, trademark, and antitrust matters.

Before graduation from law school, Mr. Miller held engineering positions with Aerocom, Inc., Coral Gables, Fla. (ground-based avionics), the Federal Aviation Administration, Washington, D.C. (radar), and Research Cottrell, Inc. (pollution control), and has worked as a bench technician (high-frequency crystal filters), a draftsman, and as a licensed broadcast engineer (WEEX and WJRH, Easton, PA).

Mr. Miller is a member of the District of Columbia, New Jersey, and New York Bars, admitted to practice before the U.S. Patent and Trademark Office, and a Fellow of the American Bar Foundation. A member of the IEEE since 1973, he is the Legal Activities Chair for the IEEE’s North Jersey Section. Mr. Miller is the author of the book, The Patent Trial and Appeal Board: Advocacy and Practice, covering appeals and trial proceedings in patent matters at the U.S. Patent and Trademark Office. He received a B.S. in Electrical Engineering from Lafayette College in 1975 and a J.D. from the University of Miami in 1978.

Email: jm@JoelMillerLaw.com

Address: West Orange, , New Jersey, United States

Location: 201 McLean Boulevard, Paterson, NJ 07504

[Getting to Synergy Microwave Corporation](#)

Time: 6:30 PM to 7:30 PM:

All are welcome. You don’t have to be IEEE member to attend the talk

Free dinner will be served at 6:15 PM.

Contact: Tony Almeida (alemida@synergymwave.com)

Dr. Ajay Poddar (akpoddar@synergymwave.com);
(201)-560-3806,

[For Updates and Registration - Click Here](#)

[Back to Calendar of Events](#)

June 5, 2013

IEEE North Jersey Section Senior Member Drive 2013

Meeting Agenda: Facilitate completion of the application process to be elevated to Senior Member of the IEEE.

If you have not started your senior membership application yet, start now and have your references completed by mid-June to be ready for review by the IEEE Senior Member selection-review-panel, by the end of June 2013

For senior member requirements please visit:

http://www.ieee.org/membership_services/membership/senior/senior_requirements.html

For the application please visit:

http://www.ieee.org/membership_services/membership/senior/senior_application.html

If you are having trouble finding that last senior member reference, bring printed out hardcopies of your full resume and senior member application portfolio with you to the meeting for review by other senior members and to find that last reference. Registration link is below.

All section members are invited to attend, especially those who are current senior members and are willing to volunteer as references, and any of those interested in becoming more active in general IEEE activities, volunteering, or those seeking senior membership. If you are interested in serving as a reference contact our membership development chair at this address: northjerseymembership@yahoo.com or mani.iyer@ieee.org and register below in VTOOLS.

The event will be held on Wednesday, June 5, 2013, 5:30-6:30PM, there will be a free buffet dinner and an opportunity to network with section members. Seating is limited and registration is required for all.

The meeting will take place at Bell Laboratories, Alcatel-Lucent, in Murray Hill, NJ. in Room 6A-106, which is located near the main entrance behind the Bell Labs Showcase exhibition area. It is not necessary to sign in to access this area.

Location: Bell Laboratories, Alcatel-Lucent, Main Building
Room Number: 6A-106, 600 Mountain Avenue, Murray Hill, NJ 07974, [Getting to Bell Labs](#)

Time: 05:30PM to 06:30PM

Contact: Mani Iyer mani.iyer@ieee.org

Dr. Ajay K. Poddar poddar_ajay@yahoo.com
No Admission Charge.

[For Updates and Registration - Click Here](#)

[Back to Calendar of Events](#)

North Jersey Section Employment Network Announcement

We have kicked off the 2013 Employment Network with a LinkedIn group where unemployed members who seek jobs can share leads and discuss job search strategies.

Once established, our network will hold online and face to face meetings with technical presentations and seminars to assist job seekers in targeting their skills to succeed in this job market.

Join our network by sending an email to Suzanne McIntosh (chair), at skranjac@us.ibm.com.

Suzanne will be happy to add you to our LinkedIn group, "IEEE North Jersey Section Employment Network".

[Back to Calendar of Events](#)

How to subscribe to this newsletter if you are not a North Jersey IEEE Member?

To subscribe, send an email to: listserv@listserv.ieee.org, with the body containing "subscribe northjerseypublic"

To unsubscribe, send an email to: listserv@listserv.ieee.org, with the body containing "signoff northjerseypublic"

Additionally, you can join the IEEE North Jersey Section Facebook Fan Page at: www.facebook.com/pages/IEEE-North-Jersey-Section

Follow us on Twitter at: twitter.com/ieeenorthjersey

Or join the LinkedIn IEEE North Jersey Section Group at:

[LinkedIn Group Invitation](#)

[Back to Calendar of Events](#)

Welcome! New Members of the IEEE North Jersey Section

Name	IEEE Member Grade
IkhlassAdam Barka	Student Member
Gregg Albrecht	Member
Yasser Badrawy	Member
Joseph Ballardo	Student Member
John Beck	Associate Member
Michael Bellegarde	Student Member
Phil Bernal	Member
Kamal Bhakta	Student Member
Edward Bowlby	Student Member
John Canela	Student Member
Victoria Chelemi	Associate Member
Skyler Cohen	Student Member
Liang Yuan Dai	Student Member
AshleyDelpeche	Student Member
David Dewan	Student Member
Warren Dixon	Graduate Student Member
Robert Donnelly	Member
Caitlin Ann Early	Student Member
David Evans	Student Member
Jaime Fernandez	Member
Carlos Garces	Student Member
Francis Garcia	Student Member
Ibrahim George-Sankoh	Graduate Student Member
Nathan Gould	Member

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

Andrew Grimmer	Member
Nitin Gumaste	Graduate Student Member
Ayah Hassan	Student Member
William Haupt	Student Member
Nicholi Hibbert	Member
Dicong Hu	Graduate Student Member
Taras Koshkin	Student Member
Dimitri Koshkin	Student Member
Teodor Kostadinov	Member
Richard LAfortune	Member
John-Michael Leemans	Student Member
Shupeng Li	Student Member
Yuzhou Liu	Graduate Student Member
Yangbo Long	Graduate Student Member
Drew MacFarlane	Student Member
Ming Mao	Student Member
Jim McGrath	Member
Poojan Mehta	Student Member
Stephen Meisenbacher	Student Member
Russell Nadler	Graduate Student Member
Jeffrey Nicholls	Student Member
Disleidy Nunez	Student Member
Alex Nyamweya	Student Member
Ayodeji Ojo	Graduate Student Member
Paul Onyemekeihia	Graduate Student Member
Johnson Olanrewaju	Student Member
Richard Osorio Fernandez	Student Member
John Palmer	Graduate Student Member
Ronald Paraison	Student Member
Utkarsh Raj	Student Member
Roopa Rao	Member
Sreedharrao Ravinutala	Member
Christopher Scherer	Student Member
Andrew Sterling	Member
James Stys	Student Member
Tomasz Szast	Student Member
Manoop Talasila	Graduate Student Member
Yusuke Uetani	Graduate Student Member
Wilbur Vale	Student Member
Hemant Vijayan	Student Member
Edward Watt	Student Member
Timothy Weeks	Student Member
Wai Ming Yee	Member
Emilio Yunes	Student Member
Christopher Zega	Student Member

North Jersey Section Seeks Committee Chairs and Section Volunteers

The IEEE North Jersey 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. A list of North Jersey Societies, Chapters, Groups and Committees are published at the end of the newsletter for those interested in participating. 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 Nominations Committee chair, Amit Patel at a.j.patel@ieee.org. You are welcome to attend the section business meeting held the first Wednesday of every month to learn more about volunteer activities that require some help. Please check out the website below for published meeting times and locations. Some committees needing volunteers include the following.

Please contact the person indicated for additional information.

GOLD (Graduates of the Last Decade) Affinity Group Volunteers and Committee members needed –

Contact: sean.kennedy@alcatel-lucent.com

WIE (Women in Engineering) Affinity Group Volunteers and Committee members needed –

Contact: zmao@fdu.edu

EMBS (Engineering in Medicine and Biology Society) is seeking active committee volunteers –

Contact: raquelpc@njit.edu

Computer Society Chapter Committee Volunteers –

Contact: zhao@fdu.edu

Technical Management Council Committee Volunteers –

Contact: almeida@synergymwave.com

North Jersey Section Awards Committee Volunteers –

Contact: k.oexle@ieee.org

Membership Development Committee Volunteers –

Contact: miyer108@gmail.com

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://sites.ieee.org/northjersey> or contact anyone listed above.

[Back to Calendar of Events](#)

IEEE North Jersey Section and NJIT sponsored Course**C# .NET Programming in Five Saturdays***Saturday, April 13, 2013 through May 11, 2013**Five weekly classes (April 13, 20, 27, May 4, 11, 2013)**New Jersey Institute of 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 "C# .NET Programming". Since 2007, C# .NET has generated significant headway in Fortune 1000 enterprise development systems. Dice.com lists 1000+ C# .NET jobs (up from 820 last year) 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 MCSD certifications. You may wish to get certified by taking the necessary Microsoft exams with the knowledge gained from this course. Past attendees got jobs at AT&T, Goldman Sachs, IBM, Microsoft, Verizon, and other Fortune 500 firms.

Instructor: **Donald Hsu, PhD.**, has been a corporate manager for 11 years and is an experienced trainer. Since 2006, he has trained 700+ people in C++, Java, Oracle, WebLogic, and XML and C#.NET in 8 different organizations.

TOPICS

1. Compare the enterprise development tools using Java to C# .NET
2. Define Visual Studio .NET Version 2008 to latest
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 Technology, Newark, New Jersey**WHEN:** Saturdays, April 13, 20, 27, May 4, 11, 2013, 9:00 AM to 1:00 PM**COST:** IEEE members \$500; Non-IEEE members \$550.**Contact:** Donald Hsu, yanyou@hotmail.com**REGISTRATION: C# .NET Programming**Please mail the completed registration with a check (**payable to "IEEE North Jersey Section"**) to:**Donald Hsu, PhD, Chair, Education Committee, IEEE North Jersey Section, P.O. Box 2093, Fort Lee, New Jersey 07024.**

Name: _____ Email address _____

 Non-member IEEE Member Member #: _____

Employer: _____

Employer Address: _____

Home Address: _____

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

Please enclose required fee payable to: **IEEE North Jersey Section** I wish to receive an IEEE Completion Certificate

Signature: _____

2013 IEEE North Jersey Section Volunteers

Executive Committee

Chair - Russell Pepe
rcpepe@ieee.org

1st Vice-Chair – Adriaan van Wijngaarden
avw@ieee.org

2nd Vice-Chair – Ajay Poddar
akpoddar@synergymwave.com

Secretary - Chris Peckham
cdp@ieee.org

Treasurer - Kalyan Mondal
mondal@fdu.edu

Member-at-Large

Mengchu Zhou – zhou@njit.edu

Goran Djuknic – gd@ieee.org

John C Taylor –
john.taylor1204@gmail.com

Junior Past Chair – Naresh Chand
chandnaresh@gmail.com

Senior Past Chair – Amit Patel
a.j.patel@ieee.org

Society Chapters

Aerospace Electronic Systems Society
Chair – Goran Djuknic
gd@ieee.org

Vice-Chair – Naresh Chand
chandnaresh@gmail.com

**Antennas and Propagation Society/
Microwave Theory and Techniques
Society**

Chair - Ajay Poddar
akpoddar@synergymwave.com

Vice-Chair – Edip Niver
niver@adm.njit.edu

**Circuits and Systems Society /
Electron Devices Society**

Chair - Durga Misra
dmisra@njit.edu

Communications Society

Chair - Amit Patel
a.j.patel@ieee.org

Computer Society

Chair - Hanna (Hong) Zhao
zhao@fdu.edu

Controls Society

Chair - David Haessig
davidhaessig@ieee.org

**Engineering in Medicine and Biology
Society**

Chair - Raquel Perez-Castillejos
raquelpc@njit.edu

Industrial Applications Society

Chair - Ken Oexle
k.oexle@ieee.org

Instrumentation Measurement Society

Chair – Peter J. Pupalaikis
peterp@lecroy.com

Photonics Society

Chair – Naresh Chand
chandnaresh@gmail.com

Power & Energy Society

Chair - Ronald W. Quade
rwquade@ieee.org

Signal Processing Society

Chair - Alfredo Tan
tan@fdu.edu

Systems, Man, and Cybernetics Society

Co-Chair – Mike Liechenstein
itsmikesju@aol.com

Co-Chair – Mengchu Zhou
zhou@njit.edu

Vehicular Technology Society

Chair - Mani Iyer
mani.iyer@ieee.org

Technical Councils

Technology Management Council

Chair - Tony Almeida
almeida@synergymwave.com

Affinity Groups

Consultants Network

Chair - Peter Schutz
schutze@compuserve.com

GOLD

Chair - Sean Kennedy
sean.kennedy@alcatel-lucent.com

Women in Engineering

Chair - Zhiwei Mao
zmao@fdu.edu

LIFE Members

Chair - Art Greenberg
a.h.greenberg@ieee.org

Committees

Awards/Recognition

Chair - Ken Oexle
k.oexle@ieee.org

Audit Committee

Chair - Fred Chichester
fdchichester@gmail.com

Education

Co-Chair - Donald Hsu
yanyou@hotmail.com

Co-Chair 2 - Kalyan Mondal
mondal@fdu.edu

Co-Chair 3 - Mengchu Zhou
zhou@njit.edu

Employment Network

Chair - Suzanne McIntosh
skranjac@us.ibm.com

**Government and Industry Relations
Committee**

Chair – Naresh Chand
chandnaresh@gmail.com

Group coordinator / History

Chair - Howard Leach
h.leach@ieee.org

Membership Development

Chair - Mani Iyer
mani.iyer@ieee.org

Vice-Chair - Ajay Poddar
akpoddar@synergymwave.com

MTT/AP Trade Show and Symposium

Chair - Kirit Dixit
kdixit@ieee.org

Vice-Chair – Har Dayal
dayalhar@gmail.com

TPC Co-Chair – George Kennall
gkk@lgsinnovations.com

TPC Co-Chair – Ajay Poddar
akpoddar@synergymwave.com

Newsletter

Chair - Anisha Apte
anisha_apte@ieee.org

Nominations

Chair - Kirit Dixit
kdixit@ieee.org

PACE

Chair - Richard Tax
rtax@verizon.net

Vice-Chair – Paul E. Ward
peward@ieee.org

Pre-University Activities

Chair – Steve Majkowski

Student Activities

Chair - John C Taylor
john.taylor1204@gmail.com

Webmaster

Chair – Adriaan van Wijngaarden
avw@ieee.org

Industrial Liaison

Chair-Kirit Dixit
kdixit@ieee.org

Intersection activities

Chair- Amit Patel
a.j.patel@ieee.org

Legal Activities

Joel Miller
jm@joelmillerlaw.com