Calendar of Events:

- **May 06, 3:00PM-6:00PM**: IEEE North Jersey Section: Excom Meeting and Awards Banquet 2012 [Read More…]
  - **Location**: Birchwood Manor, Whippany, NJ
  - **Contact**: Russell Pepe, (201-960-6796), rcpepe@ieee.org

- **May 09, 6:15PM-9:00PM**: IEEE North Jersey Section PACE and American Engineering Association, Inc. presents: Engineers Meet: Subjects Affecting Engineering Jobs [Read More…]
  - **Location**: Clifton Memorial Public Library, 292 Piaget Ave. Clifton, NJ 07011
  - **Contact**: Paul Ward, (973-790-1625), (PWord1130@aol.com), or Richard F. Tax, (201) 664-6954, rtax@AEA.org

- **May 23, 04:30PM to 06:30PM**: Electron Devices Society presents: Terrestrial Radiation Induced Soft Errors in Integrated Circuits - Stewart Rauch of IBM Semiconductor Research and Development Center (NY) [Read More…]
  - **Location**: NJIT, ECE 202, 161 Warren Street, Newark, NJ 07102, [Getting to NJIT & Parking Information]
  - **Contacts**: Durga Misra, ECE Dept, NJIT; Phone: (973-596-5739), Edip Niver, (973-596-3542)

- **May 23, 6:30PM**: IEEE Consultants’ Network of Northern New Jersey presents: Growing Your Small Business - Michael Grottola, MGG Consulting of Upper Saddle River, NJ [Read More…]
  - **Location**: Morris County Library, 30 East Hanover Avenue, Whippany, NJ [Getting to Morris County Library:]
  - **Contact**: Robert Walker, 973-728-0344, Visit our website: www.TechnologyOnTap.org

- **June 04, 6:30PM-8:30PM**: IEEE North Jersey AP/MTT Chapter presents: Millimeter Wave Integrated Circuit Techniques and Technology - Dr. Shiban Koul, Professor at the Indian Institute of Technology Delhi and the Chairman of Astra Microwave Products Limited, Hyderabad [Read More…]
  - **Location**: NJIT, ECE 202, 161 Warren Street, Newark, NJ 07102, [Getting to NJIT & Parking Information]
  - **Contact**: Ajay K. Poddar, (akpoddar@synergymwave.com), (cell: 201-560-3806)

- **June 06, 5:30PM-6:30PM**: IEEE North Jersey Section: Membership Development Event [Read More…]
  - **Location**: Bell Laboratories, Alcatel-Lucent Room: 6A-106, 600 Mountain Ave, Murray Hill, NJ 07974
  - [Getting to Bell Labs]
  - **Contact**: Mani Iyer (Cell: 908 304 2623); mani.iyer@ieee.org ; Dr. Ajay K. Poddar: (poddar_ajay@yahoo.com)

- **June 06, 6:00PM**: IEEE North Jersey Section EXCOM meeting [Read More…]
  - **Location**: Bell Laboratories, Alcatel-Lucent, Room: 6A-106: 600 Mountain Ave Murray Hill, NJ 07974
  - [Getting to Bell Laboratories]
  - **Contact**: Naresh Chand (908 723 7001); (nchand@ieee.org), Adriaan van Wijngaarden (avw@ieee.org)

- **Job Advertisement for IEEE**

- **Welcome New Members!**

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

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Prior registration is encouraged and appreciated.

You don’t have to be an IEEE member to attend any event.

For up to date information, visit our website: [www.ieee.org/go/njsection](http://www.ieee.org/go/njsection)
Meeting Announcements:

May 2012

IEEE North Jersey Section EXCOM meeting
We will not have our EXCOM meeting on May 2. Our ExCom meeting and award ceremony are combined to be held on May 6.
The only agenda item of the ExCom meeting is our award ceremony. No other business will be conducted.
Please register on vTools to attend.

May 6, 2012

IEEE North Jersey Section: Excom Meeting and Awards Banquet 2012
A time to relax, unwind and enjoy --
A time to pay tribute to our new Fellows --
A time to honor our Award Winners --
YES it's time for the Annual Section Reception
The Annual Section IEEE Awards Reception will be held at the Birchwood Manor, 111 North Jefferson Road, Whippany, again this year.
The affair is scheduled for Sunday, May 6, 2012 from 3 to 6 PM. Tickets are $35.00 each. Spouses and guests are welcome. We are limited to 90 attendees, so please make your reservations early.
Reservations are required by April 27, 2012.
Complete the reservation form and return it with your payment. If you would like tickets mailed back to you, please enclose a self-addressed stamped envelope. Otherwise, your tickets will be held at the door for you.

Use this form for Reception reservations. ENCLOSE A SELF-ADDRESS STAMPED ENVELOPE to receive tickets in advance.

Enclosed is _________ for ____ ticket(s) at $35.00 each (make check payable to North Jersey Section IEEE) for:
NAME: ________________________________
ADDRESS: ________________________________
Yes, please send me directions to the Birchwood Manor

May 9, 2012

IEEE North Jersey Section PACE and American Engineering Association, Inc. presents:
Engineers Meet: Subjects Affecting Engineering Jobs
Agenda: This meeting will be dedicated to the subject of Engineering Jobs in New Jersey, and the North Jersey Section.
This meeting will bring you face to face with the issues that influence the Job Market for our Engineering Section Members. For example:
• Degree production,
• Real estate,
• local state taxes,
• Supply-Demand –
• Legislation –
• Budgets (state & federal).
The topics may include engineering specialties that are growing, shrinking, or remaining level.
One interesting subject: http://www.aea.org/documents/research/critique_of_nsb.pdf can be reviewed.
Our goal: ideas shared over our open discussion will help members better understand their employment opportunities. You are encouraged to attend and bring your spouse and associates to this presentation

No Admission Charge.

Location: Clifton Memorial Public Library, 292 Piaget Ave, Clifton, NJ 07011
Time: 06:15PM to 09:00PM
May 23, 2012

Electron Devices Society presents: Terrestrial Radiation Induced Soft Errors in Integrated Circuits

Speaker: Stewart Rauch of IBM Semiconductor Research and Development Center (NY)

Abstract: The impact of background radiation on microelectronics is generally unappreciated. Soft errors, or single event upsets, are random, transient, recoverable failures unrelated to any defects or device shifts. There are three main types of radiation that cause soft errors in integrated circuits. The discoveries of these various mechanisms are discussed from a historical perspective, and the current physical understanding of each is presented. Next, methods used to test and model the soft error rate of circuits are explained. Finally, process, technology, and circuit mitigation techniques are covered.

Biography: Dr. Stewart Rauch is a Senior Technical Staff Member at IBM Semiconductor Research and Development Center (NY), specializing in hot carrier, bias temperature instability, and soft error reliability of state of the art CMOS technologies. He is a Senior Member of IEEE, a Member and Distinguished Lecturer of the Electron Devices Society, and frequent reviewer for the IEEE Transactions on Device and Material Reliability (TDMR.)

Email: rauchs@us.ibm.com
Address: Senior Member of Technical Staff, IBM Semiconductor Research and Development Center (NY), New York, United States

Location: NJIT, ECE 202, 161 Warren Street, Newark, NJ 07102,
Getting to NJIT & Parking Information

Time: 04:30PM to 06:30PM

Refreshments (Pizza & Soda) will be at 4:45 PM.

Contact: Durga Misra, ECE Dept, NJIT; Phone: (973-596-5739), Edip Niver, (973-596-3542)

No Admission Charge. You do not have to be a member of the IEEE to attend.

For Updates and Registration: Click here

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

ALL ARE WELCOME!

No fees or registration required.

Location: Morris County Library, 30 East Hanover Avenue, Whippany, NJ

Getting to Morris County Library:

Time: 6:30 PM - 8:30 PM, Wednesday, May 23, 2012

Contact: Robert Walker, 973-728-0344,

Back to Calendar of Events:

June 4, 2012

IEEE North Jersey AP/MTT Chapter presents:

Millimeter Wave Integrated Circuit Techniques and Technology

Speaker: Dr. Shiban Koul, Professor at the Indian Institute of Technology Delhi and the Chairman of Astra Microwave Products Limited, Hyderabad

Abstract: Millimeter Wave Integrated Circuit Techniques and Technology

Millimeter waves offer widespread applications in defense, space and commercial sectors. In this talk, different technologies for building Millimeter Wave Integrated Circuits and Subsystems will be presented. Starting from conventional microstrip technology, other key technologies including suspended stripline, dielectric integrated guide, Finline, LTCC, MEMS and MMIC will be described. Design methodology leading to development of several high performance components/ subsystems at 35 GHz, 60 GHz and 140 GHz along with experimental results will be presented. The talk will conclude by giving a comparison of various technologies.

Biography: Shiban K Koul is a Professor at the Indian Institute of Technology Delhi. He is also the Chairman of Astra Microwave Products Limited, Hyderabad, a major company involved in the Development of RF and Microwave systems in India. His current research interests include: RF MEMS, Device modeling, Microwave and Millimeter wave IC design and Reconfigurable microwave circuits including antennas.

Dr. Koul has been a member of the IEEE for the past 30 years. He has served as the Chairman of IEEE ED/MTT Chapter, India Council in (1988, 89, 1992, 93, 94, 95). He has also been a member of the executive committee of the IEEE Delhi Section and IEEE ED/MTT Chapter, India Council. He was the past chairman of the Fellow and awards nomination committee of IEEE Delhi Section. Currently, he is the Chairman of Delhi section and also chairman of the Microwave Theory and Techniques Chapter under Delhi section. He is currently a serving ADCOM member and a Member of IEEE MTT society’s Technical committees on Microwave and Millimeter Wave Integrated Circuits (MTT-6) and RF MEMs (MTT-21), Member of India Initiative team of IEEE MTT-S, Membership Services Regional Coordinator India, and Vice Chair MGA and MTT-S Speaker bureau lecturer. Dr. Koul is the author/co-author of 199 Research Papers and 7 state-of-the art books and holds 6 patents and 6 copyrights. He is a Fellow of the Institution of Electrical and Electronics Engineers, USA (IEEE), Fellow of the Indian National Academy of Engineering (INAE) and Fellow of the Institution of Electronics and Telecommunication Engineers (IETE).

Email: s.k.koul@ieee.org

Location: NJIT, ECE 202, 161 Warren Street, Newark, NJ 07102,

Getting to NJIT & Parking Information

Time: 6:30PM – 8:30PM

Contact MTT/AP Chapter Chair: Ajay K. Poddar, (akpoddar@synergymwave.com) , (cell: 201-560-3806)

For Updates and Registration: Click here

Back to Calendar of Events:
June 6, 2012

IEEE North Jersey Section: Membership Development Event

IEEE Senior Member Drive- Meeting Agenda:
Get your senior-membership application process, started now and have your references completed by mid-June. Review by the IEEE senior member selection review panel will be conducted at the end of June 2012.

For Senior Member requirements please visit: http://www.ieee.org/membership_services/membership/senior/senior_requirements.html

For 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 the address: northjerseymembership@yahoo.com or mani.iyer@ieee.org

The event will be held on Wednesday, June 6, 2012, 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.

Please register in advance, using the vTools link to provide the meeting organizers an accurate head count. You can change/cancel the registration if your plans change.

Location: Bell Laboratories, Alcatel-Lucent Room: 6A-106, 600 Mountain Ave, Murray Hill, NJ 07974

Click here for Map

Time: 5:30 PM – 6:30 PM

Contact: Mani Iyer (Cell: 908 304 2623); mani.iyer@ieee.org

Dr. Ajay K. Poddar: (poddar_ajay@yahoo.com)

For Updates and Registration: Click here

Back to Calendar of Events:

June 6, 2012

IEEE North Jersey Section EXCOM meeting

Agenda: This executive committee (EXCOM) meeting of the IEEE North Jersey Section will be held at Bell Laboratories, Alcatel-Lucent, in Murray Hill, NJ. The meeting will take place 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. There will be a get-together with a buffet starting at 6pm. The meeting starts at 7 pm EST and typically ends at 8:45 pm. 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.

Location: Bell Laboratories, Alcatel-Lucent, Room: 6A-106: 600 Mountain Ave Murray Hill, New Jersey 07974 Getting to Bell Laboratories

Time: 6:00 PM - 08:45 PM

Contact: Naresh Chand (908 723 7001); (nchand@ieee.org), Adriaan van Wijngaarden (avw@ieee.org)

For Updates and Registration: Click here

Back to Calendar of Events:
Job Advertisement for IEEE

The Information Technology Program in the College of Computing Sciences at the New Jersey Institute of Technology invites applications for the position of University Lecturer. This full-time position requires teaching four undergraduate/graduate courses (per semester) in topics such as:

- System administration
- Database administration
- Web technologies
- Cloud administration

An MS degree in a computing-related field is required. A demonstrated record of successful teaching experience in a college setting is strongly desired. Applications from candidates with prior professional and industrial experience in one or more of these areas are highly encouraged.

To apply, visit https://njit.jobs/. (At that page, choose “Search Positions” on the left. Then select “Information Technology – 00650” in the Department field to find the job listing.)

Welcome New Members!

Adegboye Joshua Student Member
Afolabi Temilade Student Member
Agoro Bolaji Student Member
Alvarez Luis Student Member
Asante Bernard Student Member
Augustin Junior Student Member
Bammel Michael Associate Member
Bejerano Yigal Member
Bernard Azriel Student Member
Boyce Kyron Student Member
Casado Bradley Student Member
Castillo Jose Student Member
Chaudhry Aziz Student Member
Cobos Jan Student Member
Corson Robert Member
Dalessandro Rat Member
Dumay Regina Student Member
Escalante Jorge Student Member
Garay Fernando Student Member
Greenspan Steven Member
Guthrie Thomas Graduate Student Member
Gutierrez Eric Student Member
Hafeez Muhammad Student Member
Hollowell Brian Student Member
Hyde Michael Student Member
Irfan Moneeb Student Member
Jia Laila Member
Kamarudin Nazhatul Hafizah Student Member
Kariappa Darshan Graduate Student Member
Kashnikow Nick Student Member
Kunjachan Steven Member
Loza Ariel Student Member
Mazama Gachekim Student Member
Martinez Edward Student Member
Martini Rainer Member
Nieves Gabriel Student Member
Nochenson Alan Student Member
Odai Edmund Student Member
Ortiz Steven Student Member
Poveda Zambrano Marco Student Member
Patel Shyam Student Member
Patel Chintan Student Member
Paul Moise Student Member
Paulov Michael Student Member
Perez Polanco Leo Student Member
Quirk Patrick Student Member
Reyes Mark Associate Member
Ross Matthew Student Member
Rossi Matthew Student Member
Waghole Swapnil Graduate Student Member
Walega Krzysztof Student Member
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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:
www.linkedin.com/groupInvitation?groupID=2068051

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2012 IEEE North Jersey Section Volunteers

Executive Committee
Chair - Naresh Chand
chandnaresh@gmail.com
Vice Chairman 1 - Russell Pepe
rcpepe@ieee.org
Vice Chairman 2 - Har Dayal
dayalhar@gmail.com
Secretary - Adriaan van Wijngaarden
avw@ieee.org
Treasurer - Kalyan Mondal
mondal@fd.edu

Members at Large
1. Chris Peckham
cdp@ieee.org
2. Vacant
3. Goran Djuknic
gda@ieee.org

Junior Past Chair - Amit Patel
a.j.patel@ieee.org
Senior Past Chair - Kirit Dixit
kdixit@ieee.org

Society Chapters
Aerospace Electronic Systems Society
Chair - Chandra Gupta
c.gupta@ieee.org
Co-Chair - Naresh Chand
chandnaresh@gmail.com

Antennas and Propagation Society/Microwave Theory and Techniques Society
Chair - Ajay Poddar
akpoddar@synergywave.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 - Nirwan Ansari
nirwan.ansari@njit.edu

Computer Society
Chair - Hanna (Hong) Zhao
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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
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Instrumentation Measurement Society
Chair - Russel Pepe
rcpepe@ieee.org

Power & Energy Society
Chair - Ron Quade
rwquade@ieee.org

Signal Processing Society
Chair - Yun Q. Shi
shi@njit.edu

Systems, Man, and Cybernetics Society
Chair - Mike Liechenstein
itsmikesju@aol.com

Vehicular Technology Society
Chair - Yu-Dong Yao
yyao@stevens.edu

Technical Councils
Technology Management Council
Chair - Tony Almeida
almeida@synergywave.com

Affinity Groups
Consultants Network
Chair - Peter Schutz
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GOLD
Chair - Dandan Wang
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Women in Engineering
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LIFE Members
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Committees
Awards/Recognition
Chair - Ken Oexle
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Audit Committee
Chair - Fred Chichester
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Group coordinator / History Chair - Howard Leach
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Newsletter Chair - Anisha Apte
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PACE Chair - Richard Tax
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Webmaster
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