



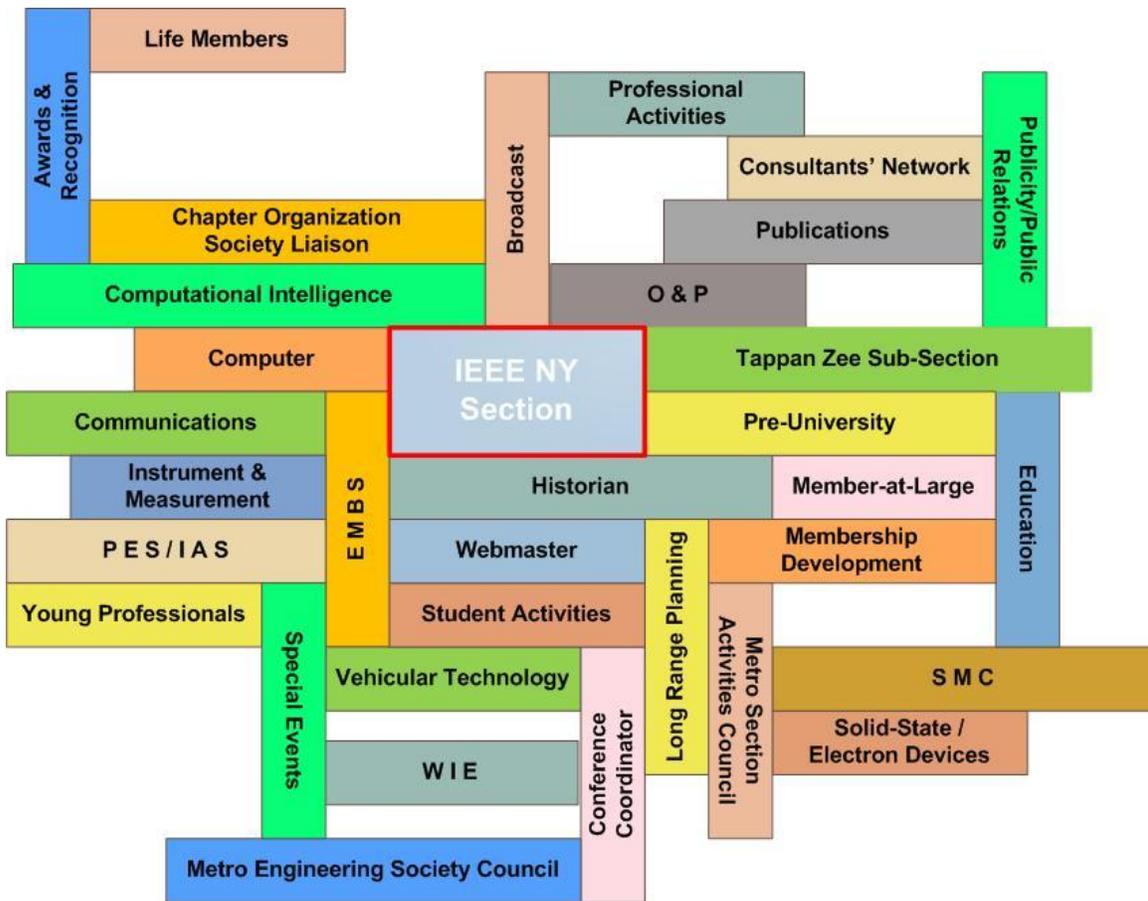
Advancing Technology for Humanity

New York Monitor

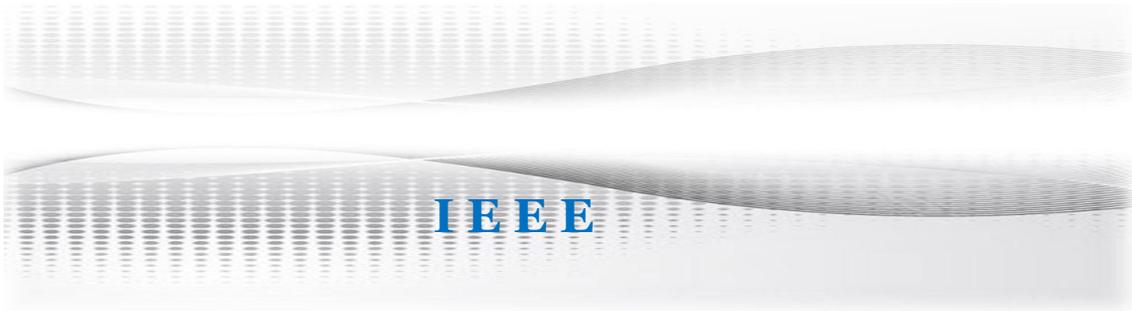
A PUBLICATION OF THE IEEE NEW YORK SECTION

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Many faces of the IEEE New York Section



NY Monitor Editor: Amitava Dutta-Roy, LF

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Advancing Technology for Humanity

The text is centered within a decorative graphic consisting of two horizontal, wavy bands of fine, parallel lines. The top band is light gray and the bottom band is a slightly darker shade of gray. The text 'Advancing Technology for Humanity' is printed in a green, serif font, centered between the two bands.



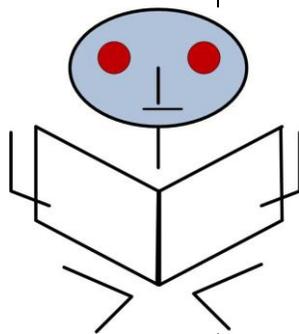
Festivities of the year have started in full swing. This editor hopes that all of you have had a meaningful Thanksgiving Day with your friends and family. This is a special day in this country (celebrated in Canada on a different day). I cherish the idea of thanking *all* who have extended a helping hand to the poor, the homeless, the hungry, the sick, the elderly, and the impoverished children around the world. As two immigrants ourselves, my wife and I revere the idea that the Thanksgiving Day is celebrated by all, irrespective of class, creed, color or faith. Lamentably, that pure selfless spirit behind the acts of thanking is now being eroded away by commercial interests, partly by the technologies we ourselves have developed. How to check that erosion? Any thoughts on that? If you have any idea please do let us



know. The Monitor provides the forum for publishing the opinions and viewpoints of all members of the IEEE NY Section that may affect our lives and the profession. The editor works for you and will publish any constructive criticisms, opinion, or suggestions.

Soon the pre-holidays season will be upon us. Hope that before you get deeply immersed into the planning of holiday activities you will take time to send your messages, articles and calendar of events so that we can kick start our 2015 editions with full force. Hope you will benefit the information we can offer you in this edition of the NY Monitor.

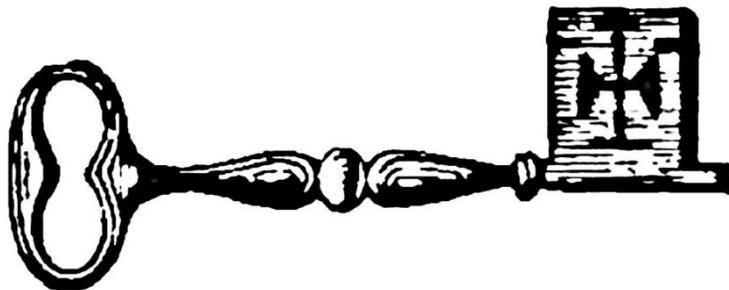
Amitava Dutta-Roy, PhD, LF
Editor





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A Victorian phonograph from the Museum of Interesting Things



Sound recorded on metal cylinder

The evening's formal proceedings started with Prof. Charles Zukowski, the Vice Chair of the EE Department and the president of the Armstrong Foundation welcoming the guests and the speakers. The Section's Historian formally thanked other joint sponsors and introduced the speakers, Alan R Klase, technical coordinator of the New Jersey Antique Radio Club's Radio Technology

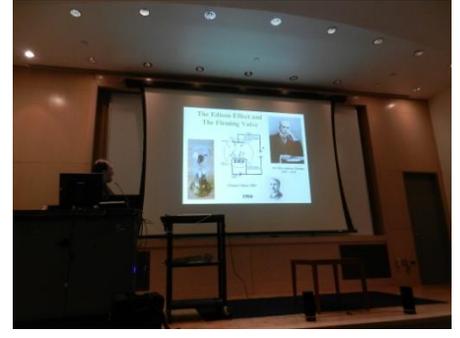
Museum at InfoAge, and Gilmore Cooke, LSM and the Historian and Milestone Coordinator of the IEEE Boston Section. As a seasoned IEEE member, Cooke did not hesitate to travel all the way from Cape Cod just to speak at the presentation. Mr. Robert Colburn attended the ceremony as the representative of the IEEE History Center.



Prof Charles Zukowski opened the event welcoming all attendees



Al Klase was the first to speak



Al Klase . . .

Mr Al Klase spoke on the history of radio and Armstrong's research into broadcast technology: "Edwin Armstrong and the Dawn of the Electronic Age.". Mr Cooke had a very interesting theme:

"Major Armstrong and the Yankee Network: a 1941 recording of FM pioneers' broadcasts between Alpine NJ, Paxton MA and Mount Washington NH." The presentation contained an important item for us to *hear*: Armstrong's original voice recordings when he spoke with

his colleagues and radio enthusiasts at those

locales.



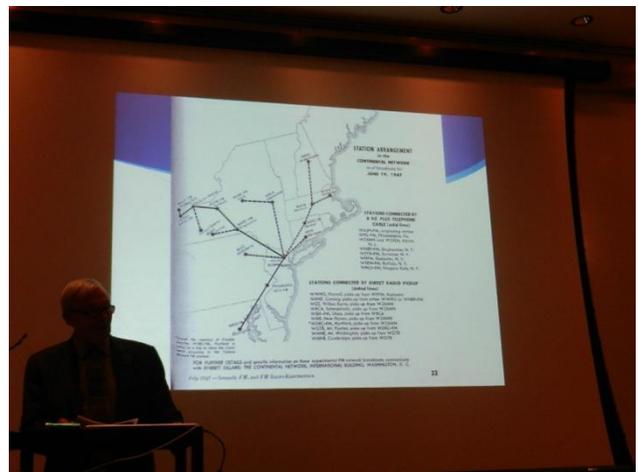
Gil Cooke takes the stage



Gil Cooke on Major Armstrong



Armstrong's Yankee Network



Yankee Network connected by direct radio and telephone

At the end of the event Mr. Robert Pellegrino, Southern Area Chair of Region 1 and chair of both PACE and Tappan Zee subsection presented both speakers with certificates of

special recognition from the NY Section as tokens of our appreciation. Thus, ended the happy ceremony to remember and pay homage to one of the giants of our profession.



Gild Cooke and Al Klase with Robert Pellegrino of the NY Section



Gil Cooke, Robert Pellegrino, Al Klase and Amitava Dutta-Roy

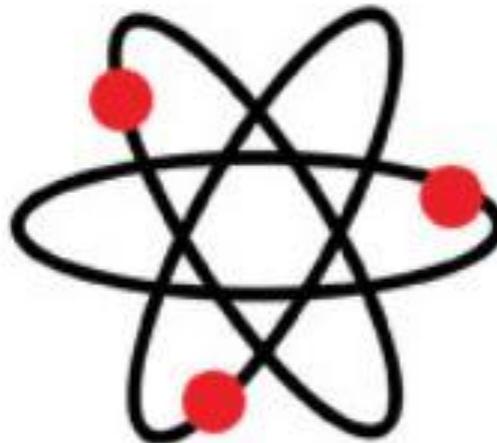


Certificate of Special Recognition for Gil Cooke

Armstrong's papers are normally stored in a climate-controlled environment at Princeton University and some of them were temporarily brought to Columbia just for our ceremonial event. For this, we thank Prof Zukowski and Ms Jennifer Comins. The Monitor has been invited to visit more Armstrong papers.

Hopefully, this editor will be allowed to photograph some of them and we will post them for your perusal in a future posting of the Monitor. —Amitava Dutta-Roy, LF the Historian and the editor of the NY Monitor, IEEE NY Section.

◆



MAKER FAIRE (CONTINUED)

In last month's Monitor, we provided you with a glimpse of the Maker Faire show held in September in the grounds of New York Hall of Science, Corona Park, New York City in which the IEEE Region 1 was a collaborator. The selection of Corona Park as the site for the Faire of this year had a special significance. Half a century ago, the same park was the venue of the New York World Fair that continued on the following year as well. For, I personally visited the fair, thanks to my professor-advisor in London who wanted me to spend the summer of 1965 in this part of the world learning the new ways to deal with the emerging technologies of integrated circuits. I spent most of the time at the research laboratories Northern Electric Company (Ottawa, Canada) the precursor of Nortel, now defunct. I also visited various laboratories of Bell Systems including the famous one at Murray Hill, NJ where I had the privilege of eating at the corporate lunchroom. There one day I saw, at the other side of the room, William Shockley busy in making his lunch companions laugh (presumably) with his jokes. Those days the New York Times cost 10 cents and so was the cost of a subway token in the City. I visited the club owned by Duke Ellington, the king of jazz and heard him personally playing on his piano. I had not much money to spend at a bar and so I sat with a glass of Coca Cola until 4 in the morning taking in all that delightful music could offer. Yes. I remember everything very well! So, here I am, now a resident of the City even after the intervening and exciting 50 years.



This year it was my first time to attend the Maker Faire show and I went there with a mixed feeling. Would it be just full of fun and frolic show with no substance? Would it be a show for the nerds? Only after attending the opening evening's paella dinner, I became delightfully conscious that it was a show of and for the dedicated to technology, dedicated to the concept of creativity. Most of the exhibitors did were there for fun, personal satisfaction and stimulation for their personal hobbies. Some were there to test the market for their creations, some hoped to raise money for their projects. And some were there for the sheer love of it. For me it was a journey along the memory lane to my childhood. I also used to make things just for fun without even dreaming that one day engineering would be my profession.

At the Faire I met a hobbyist who made something looking like a suit for himself and a coat for his robot dog by *stitching* hundreds of MTA subway metro cards. That is what we call recycling! A young woman sold her jewelry, special creations with metal beads and tiny elongated tubes that artfully depicted Morse codes as if they were dot and dashes. I asked the woman if she had any jewelry made that bore any semblance to the Morse code for V. She was somewhat surprised by that crazy question. I explained to her that during the WWII the allied forces broadcast their daily *news* from clandestine SW radio stations in Europe. Those nightly broadcasts always started with the first bars of Beethoven's Fifth Symphony as their signature tune. The bars of Beethoven start with thunderous *da da da*

dahhhh (dot, dot dot, dash) that in Morse code signifies V (for victory, an expression made popular by Winston Churchill, the PM of the UK.). The creator of the jewelry seemed to be delighted with my story. She would make future accessories with the V theme in mind. I wonder if I should have charged her a consulting fee. (It is fair to add that immediately after the allied broadcasts the German stations turned on their propagand machine with Schubert's Marche Militaire. I was a little boy then but I remember hearing all of them in my father's Philco radio. Radios of that brand are sold today as antiques.)

A young participant had hundreds of white flowers anchored to the ground with metal stems as if they were in his front porch. The flowers, illuminated in the dark, swaying lightly with the wind, looked so beautiful. I asked their creator about the price of the flowers. He told me he was not particularly interested in selling them. He is a professional architect and his hobby is creating something new. The petals were made of plastic and the LED and its lithium battery were encased in a tiny 3-D printed holder. The total cost, he said, was some 50 cents a flower. Then there was this English woman, perhaps in her early sixties, who crossed the pond just to show her creations of LED studded dresses and accessories. She paid her own way and the Maker Faire fee for her stand.



Arduino open source controllers had many torchbearers. Some of them came from Italy, the land of Arduinos (disclaimer: my wife's last name happens to be Arduino also). Some researchers came from the educational labs around Milan. Others were engineers at private companies, one of which worked on roadway

safety that uses Arduino controllers. I inquired about the origin of the name Arduino. I discovered that it was the name of a pub across the place where like-minded friends hatched the idea of creating the free open-source Arduino codes and specifications.

Not to be overshadowed by Arduino the UK-based open-source Raspberry Pi controller makers were also in evidence that included kits and books published by John Wiley.

A ninety plus Vietnam vet displayed his crystal rectifier radio that used the core of two Eveready batteries. It reminded me of my own tinkering with crystal rectifiers during those days that soon will be forgotten.

An artist and sculptor created a pair of wings that emulated the flapping wings of a bird. With all its *bones* visible, it would be a jaw opening display piece in a living room.[See <http://sites.ieee.org/ny-monitor/?p=2712>]

The 3D printers were visible everywhere. I would say there were at least twenty booths that displayed such printers. They are now available at prices as low as \$500. An electric car, painstakingly made by 3D printing was seen strolling along the pathways of the Faire. It ran on motorcycle tires. The estimated price of the car is around \$22,000, I was told. The 3D printers do an incredible job: printing complex conch shells to masks to cars and in multi colors too. My feeling is that soon most computer buffs will have a 3D printer near their desks. It is just a matter of time before the prices of those incredulous machines fall to commonly affordable levels.

There was no shortage of corporate sponsors. In the tent erected by the ubiquitous Radio

Shack, the instructors showed toddlers as young as 6 year-olds how to solder. The little ones along with their parents patiently followed the instructions. Inside the Intel tent, the budding boy-girl engineers learnt how to assemble circuits. Toyota, the Japanese car maker, organized a NASCAR-line mock electric car race complete with running commentary.

My childhood fav Meccano had a stall as well. Does anybody of your generation remember the pre-Lego Meccano that helped kids to build model railroads, cranes, ships, and bridges? They are still selling those kiddy products. Good for them and good for our engineers of the future.

Tiny hand-cranked electro-magnetic generators, replaceable graphite filament electric lamps (oh, that would make Thomas Edison jealous), and DIY magnetic clutches were in evidence.

The entire Faire exuded enthusiasm, from the pros, the amateurs and from the visitors. There was something for everybody: young and old hats like me. From New York City the students of Art and Design High School where the

students learn arts, aesthetics and information technology, all at the same time, showed off their magnificent artwork. Their Bangladeshi teacher invited the Monitor to visit the school. Rest assured that we will report on their activities in a future edition of the Monitor. It is our moral and professional responsibility to encourage future engineers in whatever they are learning in technology.

We made our last Maker Faire stop at a *concert* given by the Glank group. Their musical instruments consisted of empty beer cans, used metal ladles, propane gas cylinders and anything that could make a noise. . .it was their novel idea to engage the visitors in their concerts as active musicians. They taught their *students* the binary musical notes: 1-12-123-12 . . . Visit their Web site at: <http://makerfaire.com/makers/glank-3/> . I guarantee you will enjoy it.

Please see the photographs I took at the Faire: I wish we had more space to show more. We will keep you informed about the next year's Faire.

Reported by Amitava Dutta-Roy♦

CALENDAR OF EVENTS IN AROUND NYC FOR DECEMBER 2014

The events listed below are based on information received at the Monitor before on or before 26 November. They will be held in or near New York City. Most of them have been organized by the IEEE Sections. Other events may have no direct bearing with the IEEE but are listed here because of the general interest of our members in science, engineering, and technology. None of them is a paid advertisement. For calendar of events listed by Region 1 please visit the Website: <http://sites.ieee.org/r1/events/>. Thank you.

Dec 3, 2014
6:00pm
ConEd Bldg.
4 Irving Place

PES/IAS CHAPTERS OF THE IEEE NY SECTION

Annual election meeting

The Nominations Committee of the IEEE NY Section Joint Power &

New York, NY 10003
(x 14th Street, one block
east of Union Square
Please follow the
instructions given in the
adjacent column

It is your right to vote in the IEEE elections

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Dec 4, 2014
6:00pm-8:30pm
Room: HS 119
Long Island University
Brooklyn Campus
Nearest subway station:
DeKalb Avenue on R train
Room HS 119

Organizer: Prof Ping-Tsai
Chung

Energy Society and Industrial Applications Society Chapter propose and recommend the following slate (for election) as officers of the Executive Committee for the period January 1, 2015 to December 31, 2015.

Executive Committee Positions

Chair – Neil Weisenfeld
Vice Chair – Tom Villani
Treasurer – Chris Kwong
Secretary – Vincent Ammirato
Senior Member-at-Large – Sisenandi Tobias
Junior Member-at-Large – Jasvinder Blah

Registration Process for Voting:

For security reasons, NY Section PES/IAS Chapter members, who are not employees of the Con Edison Co. of NY and want to vote at the election meeting, must register to vote no later than Monday, December 1, 2014. Please send an e-mail to bobpellegrino@ieee.org with your full name, IEEE membership number, e-mail address, and company affiliation no later than 5:00 pm Monday, Dec. 1, 2014 if you want to vote at the election meeting. Your name will be included in the Visitor Notification list at Con Edison. Please note that any person arriving after 6:00 pm on Wednesday, Dec. 3, 2014 will *not* be allowed into the election meeting.

Robert M. Pellegrino
Nominating Committee
PES/IAS Chapter
bobpellegrino@ieee.org

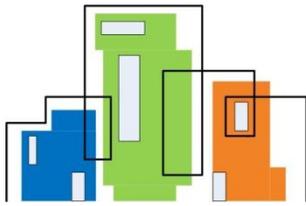
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JOINT SPONSORS: IEEE SMC NY CHAPTER, JOINT STUDENT BRANCHES OF IEEE SMC AND COMPUTER SOCIETIES, IEEE NY SECTION AND LIU BROOKLYN CYBERNETICS STUDY ASSOCIATION (CSA) AND THE HISTORIAN OF THE IEEE NY SECTION

A Distinguished Lecture Internet Access Technologies & the Flexible Optical Networking Paradigm

OR
History of Internet Access Technologies: from Telnetting to Flexible
Optical Networking via the tortuous path of ADSL and Cable Modems

Abstract: The technologies for accessing the Internet have evolved by leaps and bounds during the last two decades. No longer it is necessary to telnet through CERN to get on the cyber highway. It is a story of battles between technologies, the access providers, and consumers in which the



federal agencies played important roles.

Speaker: Amitava Dutta-Roy, LF of the IEEE. Amitava taught electronics at the University of São Paulo, Brazil (2 years) and at the National Institute for Space Research (also in Brazil, 7 years) and for some time as the head of the continuing education division. Amitava has worked as consultant to the Office of Science and Technology, UN, Kuljian Corporation of Philadelphia, PA, AT&T, France Telecom and the International Telecommunication Union (ITU), an agency of the UN and Telebras of Brazil. From 1988-1995 he contributed a monthly column to Revista Nacional de Telecomunicações of which he was the NY correspondent. He served the IEEE as the chair of Engineering Management chapter of the South Brazil Section. He has written for the IEEE Trans of Circuit Theory. He has contributed one full chapter on LAN protocols in the Handbook of LAN, published by CRC Press, NY. As a contributing editor, he published several award-winning articles in the IEEE Spectrum magazine. Thereafter, he was invited to contribute to a special issue on cable modems of the IEEE Communications Magazine. He contributed to the Transactions of the Professional Communications Society and its newsletter. He is now a contributing editor at the Proceedings of the IEEE. His present association with the IEEE includes the chair of the LMAG, the Historian, the editor of NY Monitor, all at the NY Section, and the editor at RegiOne, the newsletter of the Region 1. Amitava earned his BSc and PhD degrees in electronics engineering from Imperial College, London. Amitava's interest lie in dissemination of technical information in a readily digestible form.

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Tue, 9 Dec, 2014

6:30pm-8:30pm

German House

871 United Nations Plaza

(1st Av at 49th St), New

York

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**Sponsor: German Center for Research and Innovation,
New York**

Smart Cities

Life on our planet will change dramatically in the coming decades. A significant transformation will be evident in cities where people live and work in close proximity to one another. Urbanization, globalization, demographic, and climate changes are continually placing higher demands on our cities. At the same time, however, greater opportunities to manage energy, transportation, and human resources efficiently are also being created. Smart cities will seize these opportunities by developing innovative energy storage concepts that aim to meet the demands of net stability.

We invite you to join our expert panelists as they discuss the prospects offered by new technologies, such as smart mobility and smart buildings, and the potential effects future changes will have on the environment and on society.

To RSVP by December 5, please click [here](#).

- See more at: <http://www.germaninnovation.org/news-and-events/events-calendar/event?id=71dab06c-31e0-e311-86b5-000c29e5517f#sthash.wGSzmBhF.dpuf>

Panelists:

♣ Prof. Dr. Jan Wörner
Chairman of the Executive
Board, German Aerospace Center (DLR)

Prof. Dr. Barbara Lenz
Director, Institute of Transport Research, German Aerospace Center
(DLR)

♣ William Sisson
Director, Sustainability, United Technologies Research Center
(UTRC)

♣ Moderator”
Dr.
Joann Halpern
Director, German Center for Research and Innovation
(GCRI)

For panelists’ bios please visit www.germaninnovation.org

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Wed, 10 Dec, 2014
5:00pm
ConEd Bldg
4 Irving Place
New York, NY 10003

Please see the next
column for voting
instructions.

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IEEE New York Section Notice of Elections for 2015

In accordance with its Operations & Procedures Manual, the IEEE New York (NY) Section hereby advises all IEEE NY Section members that an election for officers and certain working activity committee chair positions for calendar year 2015 is scheduled to be held on 10 December , 2014, beginning at 5:00 pm at the Con Edison Co. of New York, 4 Irving Place, New York, NY 10003.

The Executive Committee (Excom) of the IEEE NY Section is pleased to announce its slate of officers for elected positions to the NY Section’s Excom for calendar year 2015. The list of candidates for the various positions (see below) was approved by the NY Section Executive Committee on October 8, 2014, and, since there were no valid petitions submitted by the August 10, 2014 deadline, for any of the positions, the list of candidates is the same as that approved at the ExCom meeting of 8 October, 2014.

2015 Slate of Candidates as Approved by the NY Section Excom

Section Officer Positions:

Section Chair: Neil Weisenfeld
Section Vice Chair – Chapter Operations: Wilson Milian
Section Vice Chair – Section Activities: Vacant
Section Treasurer: Vacant
Section Secretary: Sharene Williams



Elected Committee Chair Positions:

Chapter Organization Committee Chair: Paul Sartori
Historian: Dr. Amitava Dutta-Roy
Long Range Planning Committee Chair: Vacant
Operations & Procedures Committee Chair: William Coyne
Publications Committee Chair: (SELECT ONE) Marty Izaak,
or Michael Miller
Special Events Committee Chair: David Horn
Webmaster: Harold Ruchelman

Eligibility to vote

All members in “good standing” (good standing refers to active members who have paid their IEEE dues for calendar year 2014) who are Graduate Student member grade or higher are eligible to cast a vote for the candidates for office. Student Members of the NY Section are not eligible to cast a vote for the candidates for office. In addition, IEEE Society Affiliates are not IEEE members and therefore not eligible to vote. For security reasons, IEEE New York Section members who want to cast a vote at the election meeting must arrive at Con Edison Co, of NY, 4 Irving Place & E.14th Street, New York, NY 10003 [Ground floor Reception Room] NO LATER THAN 5:00 PM on Dec. 10, 2014. PLEASE BRING A PHOTO ID SUCH AS DRIVER’S LICENSE AND YOUR CURRENT IEEE MEMBERSHIP CARD FOR SECURITY ACCESS AND ELIGIBILITY TO VOTE. ANYONE ARRIVING AFTER 5:00 PM OR MISSING A PHOTO ID AND IEEE MEMBERSHIP CARD WILL NOT BE ALLOWED TO VOTE.

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LIFE MEMBERS AFFINITY GROUP ANNUAL ELECTION
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Wed, 10 Dec, 2014

5:00pm
ConEd Bldg
4 Irving Place
New York, NY 10003

In accordance with its Operations and Procedures Manual, the IEEE New York (NY) Section Life Member Affinity Group is advising all IEEE NY Section Life members that an election for officers and certain working activity committee chair positions for calendar year 2015 will be held on December 10, 2014 at 5pm at Con Edison, 4 Irving place, New York, New York.

The Executive Committee (EXECOM) of the IEEE NY Section Life Member Affinity Group is pleased to announce its slate of candidates for the elected positions in the calendar year 2015.

- o Michael A. Miller - Chair
- o Ralph Mazzatto - Member at Large
- o Roland Plottel - Vice-Chair
- o Ralph Tapino, PE - Treasurer
- o Amitava Dutta-Roy - Secretary
- o Lewis Terman - Program Chair

All members in "good standing" (good standing refers to active Life members who have paid their IEEE dues for calendar year 2013) of the NY Section Life Member Affinity Group are eligible to cast a vote for the candidates for office.

PLEASE BRING A PHOTO ID SUCH AS DRIVER'S LICENSE AND YOUR CURRENT IEEE MEMBERSHIP CARD FOR SECURITY ACCESS AND ELIGIBILITY TO VOTE. ANYONE ARRIVING AFTER 5:00 PM OR MISSING A PHOTO ID AND IEEE MEMBERSHIP CARD WILL NOT BE ALLOWED TO VOTE.

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**Thu, 11 Dec, 2014
6:30pm-8:30pm
German House
871 United Nations
Plaza (1st Av at 49th
St), New York
RSVP to:
<http://form.jotformpro.com/form/43164591381961>**

German Center for Research and Innovations, New York
A Panel discussion on
Green Logistics

Logistics has become an indispensable component of today's global economy. Worldwide supply chains and worldwide distribution networks are a key performance factor for many companies as they attempt to coordinate activities in a way that meets customer requirements at minimum costs. In the past, the costs were defined in purely monetary terms. Today, as ecological issues play an increasingly important role, companies are starting to take into account the external costs of logistics, especially with respect to climate change and environmental devastation. Sustainable logistics is a key priority for DB Schenker, which aspires to become the world's leading green logistics service provider and to prove that CO2 emissions can be reduced as transport increases. Sustainable logistics is also an area of focus for The Volkswagen Group. Volkswagen's green logistics systems create environmental value by reducing resource and water consumption, emissions, fine particulate pollution, and waste. Representatives from Fraunhofer IML, TU Dortmund, and USC will join the industry representatives on the panel to discuss strategies and technologies they have developed to optimize logistic processes and to minimize material and energy utilization throughout the supply chain

Panelists:

♣Prof. Dr. Uwe Clausen

Director, Fraunhofer Institute for Material Flow and Logistics

♣Dr. Genevieve Giuliano

Senior Associate Dean for Research & Technology; Director, METRANS Transportation Center, Sol Price School of Public Policy, University of Southern California

♣Fabio Freccia

Head of Logistics, Volkswagen Group of America, Chattanooga Operations

♣Susanne Salomon

Manager, Eco Excellence, DB Mobility Logistics AG

For complete speaker bios please go to www.germaninnovation.org

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Tue, Dec 16, 2014

5:00pm: networking and refreshments

5:00pm-7:00pm
Presentation

ConEd Bldg
4 Irving Place
New York, NY 10003

Please send RSVP to
Arnold Wong
(wongar@coned.com)

Please note that for security reasons no walk-ins will be allowed.

Organizers: Arnold Wong
and Sukumar Alampur

Sponsors: P E S / I A S chapters and he Life Memembrs' Affinity Group of the IEEE NY Section

FIRE ALARM SYSTEM SAFETY INTERFACES

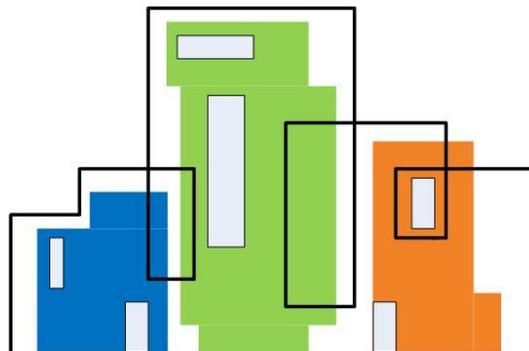
Abstract: This educational module covers issues and design considerations of fire alarm system integration with other building systems for emergency control functions. This module includes components related to interfacing various life safety systems and control devices including relays, intelligent devices, elevator recall, GUIs, HVAC interfacing and foreign systems.

Speaker: Maria Marks, Manager, National Business Development at Siemens

Maria has been active in the fire, life safety and security industry for over 20 years. As the manager National Business Development at Siemens, her current responsibilities include driving the Engineering Advantage Program throughout the country. Her past positions at Siemens include Account Executive with responsibility for Fire and Mass Notification solutions in the Maryland, DC and Virginia areas.

A member of NFPA, SFPE, SAME & AFAA, Maria holds both CFPS and NICET IV certifications. Currently, she sits on technical committees for NFPA 101(Education & Day Care occupancies), and NFPA 72 (Fundamentals). Maria remains involved with the MD-DC-VA Chapter of AFAA and has served as president, treasurer and director-at-Large for the MD-DC-VA Chapter of AFAA. She lives in the Metropolitan Washington DC area. Maria received a BA from Wellesley College.

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ADVERTISING IN THE NY MONITOR

The IEEE NY Monitor is published online monthly excepting in July and August. The target readers are IEEE members (4,000) who reside in New York City and vicinity. It is also downloaded by many of the 30,000+ members of the IEEE Region 1 that covers 22 Sections of the IEEE in the entire northeastern United States.

Advertisement rates per insertion

Quarter page	\$150
Half page	\$200
Full page	\$250

Please submit camera-ready jpg images. For further information about advertisements in the NY Monitor please contact a.dutta-roy@ieee.org. Thank you!

THIS IS THE END OF THIS MONTH'S NY MONITOR

Thank you for taking your time to read!