

IEEE Long Island Section 2011 Annual Awards Ceremony

MESSAGE FROM THE CHAIRMAN



IEEE Colleagues and Guests,

*As this year's **Chairman** it's an honor and privilege to welcome everyone to the **2011 IEEE Long Island Section Awards Banquet**. This evening we recognize and honor the outstanding engineering achievements of our members. The **IEEE Long Island Section** started as a chapter of the Institute of Radio Engineers (IRE) the predecessor to the IEEE in 1947. Since then many of our members have attained national recognition with their outstanding contribution to the profession and society including **Harold Wheeler, Charles Hirsch, Alex Gruenwald** and many others. Some of our Section Awards are named in their honor. This splendid tradition continues with the meritorious work of tonight's Awardees.*

*Recognition plays a significant role in our **IEEE LI Section** and our **Awards Committee** works diligently throughout the year to solicit, cull and process the applications of our members that have made considerable and substantial contributions to our engineering profession. I would like to thank our **Awards Committee Chairman Jesse Taub** and the committee members **Ralph James, Alfred Lopez, Rod Lowman, Velio Marsocci, Richard Mohr** and **Arlene Zhang** for their important work of selecting and advocating our award nominees. Tonight, the **Lifetime Achievement Award** will be presented for the first time with the first recipient being **Jesse Taub**. He has been an IEEE member for over 62 years and he has headed our **Awards Committee** for over 15 years. Jesse is an **IEEE Fellow** since 1967, our Section's Historian and a Microwave Engineering expert and consultant. As **Jesse** says, "**We are all better professionals when we share our knowledge and efforts with others.**" This is the highest honor that the **IEEE Long Island Section** can bestow to one of its members and I don't think we could find a better candidate. **Congratulations Jesse!***

*The Section is honored to be able to present our distinguished **Keynote Speaker Mr. Frank Messina**, Chief Engineer for the Advanced Engineering Group at Telephonics. Frank is a world-renowned authority on Monopulse Secondary Surveillance Radar (MSSR) and Identify Friend or Foe (IFF) Interrogator systems. His Keynote Address is titled "Protecting our Service Men and Women with IFF." I eagerly look forward to Frank's presentation.*

*This evening we will also be taking time to thank our **Executive Committee (ExCom)** volunteers. It is their hard work and dedication that allows the Long Island Section to be able to provide diverse IEEE services such as Technical Lectures, Professional Development and Training events, Ethics in Engineering and Educational meetings to all our members. Many thanks to our **Awards Banquet Committee** for their exceptional efforts in organizing and arranging tonight's event. The committee members are: **Dr. Susan Frank, Robert Berger, Brian Quinn, Dave Bomzer** and our **Senior Past Chairman Sandy Mazzola**.*

*The most special part of our Awards Banquet is the presentation of our IEEE local and regional awards to our well deserving Section members. This year, seven Long Island members were awarded **IEEE Region 1 Awards** and seven members and institutions were awarded **IEEE LI Section Awards**. I am proud to be part of the effort to recognize our member's achievements. My sincere congratulations to all of them!*

*I would also like to remind you to attend two of our major Long Island Section events that are coming up. The seventh annual **2011 Long Island Systems and Technology Conference (LISAT)** will be held on Friday, May 6 at Farmingdale State College. Please share this information with your colleagues back at work and urge their attendance. This conference is one of the premier technology events on Long Island. You can register at: www.IEEE.LI/LISAT. In addition, the Section is co-sponsoring the **IEEE Innovation Day Conference** on Tuesday, May 17, 2011 at NYU-Poly in Brooklyn, NY. This conference will tackle how innovation is the revival engine of all professionals, all industries and the very fabric of our economy. It will allow you to network with your peers, meet people from new and varied industries and keep technically current. Visit the website at: ewh.ieee.org/reg/1/innovation_day/. Additional information for both Conferences can be found inside the Program.*

*I would also like to take this opportunity to recognize and thank all of our corporate supporters. Their generous financial support and use of their facilities allows the Section to provide both the technical program and professional development activities we can be proud of. The **Awards Banquet Supporters Honor Roll** can be found inside the Program.*

*In closing, I would like to thank all of our **IEEE Long Island Section** members for their contribution to our profession and to our nation and all of you in attendance here tonight for making this event more memorable. I would like to leave you with one of my favorite **John F. Kennedy** quotes: "As we express our gratitude, we must never forget that the highest appreciation is not to utter words, but to live by them."*

Congratulations to all of our 2011 Awardees!

Best Regards,

Nikolaos Golas, Chairman, IEEE Long Island Section
chairman@IEEE.LI

IEEE Long Island Section Awards Ceremony

Thursday March 31st, 2011

Keynote



Frank D. Messina

*Chief Engineer
IFF Systems
Telephonics Corp.*

“Protecting our Service Men and Women with IFF”

Frank will discuss IFF history, the roll IFF plays in protecting U.S. war fighters, how SSR Air Traffic Control systems keep air travel safe, modes of operation, requirements, and future capabilities and trends.

Mr. Messina heads up the Telephonics Advanced Engineering Group as Chief Engineer of the Monopulse Secondary Surveillance Radar (MSSR) and Identify Friend or Foe (IFF) Interrogator Products. Frank has nearly 40 years experience with over 35 years in design, development, fielding, test and training of advanced Military and Civil IFF and MSSR interrogator systems.

He is the lead proposal writer for all major Telephonics IFF and MSSR interrogator opportunities and has served as the lead IFF Interrogator systems designer for the World Wide Fleet of AWACS aircraft, U.S. Navy MH-60R Rotary Wing Aircraft, Canadian Maritime Patrol Aircraft (CP140), Canadian Maritime Helicopter CH-148 Cyclone, Canadian HCM Frigate upgrade, U.S. Navy P8-A Poseidon Multi-Mission Aircraft (MMA), USMC G/ATOR Ground Based MSSR and numerous commercial / international MSSR interrogator products at the Telephonics Radar System Division.

Frank has developed creative technical solutions to overcome well-known performance limitations in IFF interrogator designs, including monopulse processing, IFF tracking for Mode Code Error Detection and Correction, Reflection detection/elimination, Multipath detection/elimination and IFF digital-anti-jam protection. Frank was instrumental in adding a full Mode S capability to the NATO AWACS, the first IFF interrogator system in the world to integrate high priority AEW Military IFF Modes with a Civil Mode S capability. Frank's responsibility as Chief Engineer includes customer relations, specification generation, proposal generation, design and development of advanced IFF interrogator capabilities. He is working with the DoD AIMS PO to develop IFF certification standards. Frank has developed an extensive IFF/MSSR course and has given the course to over 500 students.

Agenda

6:00 - 7:00 PM Guest Arrival, Hors d'oeuvres

7:00 - 7:10 PM Call to Order, Welcome
*Nikolaos Golas
Chairman, IEEE LI Section*

7:10 - 7:25 PM Keynote Address:
*Frank D. Messina
Chief Engineer
IFF Systems, Telephonics*

7:25 - 7:45 PM IEEE Long Island Section
Volunteer Recognition
*Nikolaos Golas
Chairman, IEEE LI Section*

7:45 - 8:05 PM IEEE Long Island Section Awards
Jesse Taub, Awards Chairman

8:05 - 9:00 PM Dinner

9:00 - 9:20 PM IEEE Region 1 Awards
Jesse Taub, Awards Chairman

9:20 - 9:25 PM IEEE Fellow Award
Jesse Taub, Awards Chairman

9:25 - 9:30 PM IEEE PES Award
Jesse Taub, Awards Chairman

9:30 - 9:35 PM IEEE PMI Award
Jesse Taub, Awards Chairman

9:35 - 9:40 PM Closing Remarks
*Nikolaos Golas
Chairman, IEEE LI Section*

9:40 - 10:00 PM Dessert and Coffee





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ANDREW M. CUOMO
GOVERNOR

March 31, 2011

Dear Friends:

I am delighted to send greetings to all gathered for the Annual Awards Banquet of the Institute of Electrical & Electronics Engineers (IEEE) Long Island Section.

New York State is a global leader in science and technology, and recognizes that continued progress in these areas is vital to our future. We value and support the work of professionals whose research is at the forefront of this progress, and your membership is commended for its outstanding achievements in the fields of electrical and electronics engineering.

The IEEE Long Island Section continually realizes exciting new discoveries in cutting-edge technology, leading some of the most impressive developments and breakthroughs in highly specialized fields. It is critical that electrical and electronics engineers continue to carry out innovative and groundbreaking work to improve our technology-based infrastructure, our national defense system, and our economic and commercial manufacturing bases.

On this occasion, you highlight the work of distinguished members whose extraordinary accomplishments affect our lives tangibly and intangibly. I applaud those being awarded tonight, and the visionary and dynamic leaders of the Institute.

Best wishes for an enjoyable and productive conference.

Sincerely,

A stylized, handwritten signature of Andrew M. Cuomo in black ink.

ANDREW M. CUOMO



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one of our own...**Joseph Merenda**
...and the other **IEEE Long Island Section**
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Congratulations to this Year's Award Recipients!

Section Awards

Alex Gruenwald Award: **Mr. Peter A. Eckstein**

Athanasios Papoulis Award: **Dr. Monica F. Bugallo**

Charles Hirsch Award: **Mr. Kenneth Frank**

Friend of the IEEE LI Section: **Farmingdale State College**

Harold Wheeler Award: **Mr. Joseph Merenda**

Outstanding Young Engineer Award: **Mr. Adam S. Chalson**

Lifetime Achievement Award: **Mr. Jesse Taub**

IEEE Fellow Award:

Dr. Yuanyuan Yang

IEEE PES Chapter Outstanding Engineer Award: **Mr. Greg Sachs**

Thank you to the *Project Management Institute (PMI)* for the *Certificate of Appreciation Award*

Region 1 Awards

For Technological Innovation (Industry or Government): **Mr. Robert Blosser**

For Technological Innovation (Industry or Government): **Mr. James P. Blumling**

For Managerial Excellence in an Engineering Organization: **Mr. Michael N. Cunetta**

For Managerial Excellence in an Engineering Organization: **Mr. Alfred J. DuPlessis**

For Managerial Excellence in an Engineering Organization: **Mr. George Los**

For Technological Innovation (Industry or Government): **Mr. Brian V. Onorato**

For Enhancement of IEEE or Engineering Profession's Image with Public: **Mr. Theodore Pappas**

The Omnicon Group Congratulates Alfred DuPlessis 2011 IEEE Long Island Section Award Recipient



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2011

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EX OFFICIO OFFICERS

Region 1 Director: Charles Rubenstein

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Telephonics Congratulates Our 2011 **IEEE** Award Recipients

This is a great achievement
and we are proud of the Awardees:

Adam Chalson, Outstanding Young Engineer Award

Jim Blumbling, Technical Innovation (Industry and Government)

Brian Onorato, Technical Innovation (Industry and Government)

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***With over 50 years of supporting the RF and Micro-wave industry on Long Island,
Spectrum Sales would like to congratulate all of this
year's Honorees and Award Winners for their contin-
ued contributions to our Electronics community.***

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Long Island Section Awards



Alex Gruenwald Award

PETER A. ECKSTEIN

Suffolk County Community College, Queensborough Community College, United States Merchant Marine Academy

“For Leadership and Contributions to the Training of IEEE Officers and Members while Serving on Several Region 1 Executive Committees”

Peter A. Eckstein received the 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 weapon system avionics. He 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, where he teaches physics and astronomy, and at the United States Merchant Marine Academy, where he teaches physics and engineering.

IEEE ACTIVITIES Admissions and Advancements Committee: 1988-1993, Tellers Committee: Member, 2003 – 2005; Chair, 2006, IB&SC: RAB liaison, 2005, Member-at-Large; 2008, 2009, Ethics Hearing Panel: Member, 2003 – 2005, MGA strategic Direction and Environmental Assessment Committee, 2010, 2011; Region 1: Director-Elect – 2012, 2013, Secretary, 1988-89 and 1998-2007; Audit Chair, 1998-99; Sections/Chapters: Worcester County, 2001-2003, Member of Executive Committee; Society: IEEE EMS BoG: Member, 2003-2007; Secretary, 2004; Conferences: AUTOTESTCON '84: Vice-Chair – Tutorials Committee, ELECTRO'85 and '86: Vice-Chair – Tutorials Committee, ELECTRO'87 and '89: Chair – Tutorials Committee, ELECTRO'90 and '91: Secretary of the Board of Directors; IEEE-USA: Vice President for Government Relations, 2008, 2009; Other: Metropolitan Sections Activities Council (METSAC), 1984-1989; Tutorials Vice-Chair, 1984-85, Tutorials Chair, 1986-89; Awards: Third Millennium Medal, 2000, Region 1 Award, 2005



Athanasios Papoulis Award

PROF. MONICA F. BUGALLO

Stony Brook University

“For Innovative Educational Outreach that Has Inspired High School Students and College Level Women to Study Engineering”

Mónica F. Bugallo received her B.S., M.S., and Ph. D. degrees in electrical/computer engineering from the University of A Coruña, Spain, in 1996, 1999, and 2001, respectively. At the University of A Coruña she received the Award of Best Student and Best Ph.D. Dissertation. From 1998 to 2001 she was with the Department of Electronics and Systems at the same university, where she worked as research associate and was investigating interference cancellation applied to multiuser communication systems. In 2002, she joined the Department of Electrical and Computer Engineering at Stony Brook University where she is currently Associate Professor. There she teaches courses related to digital communications, stochastic processes and information theory. She has also offered summer seminars at international institutions on statistical signal processing methods and advances and applications of particle filtering.

Her research interests are in the field of statistical signal processing, with emphasis on Bayesian analysis, sequential Monte Carlo methods, adaptive filtering, stochastic optimization, and their applications to different disciplines including multiuser communications, smart antenna systems, biomedicine, target tracking, vehicle positioning and navigation. Dr. Bugallo has been member of the IEEE since 1999 and has served on several technical committees of IEEE conferences and workshops. She has also been reviewer of many professional journals. She has received the award for Best Paper in the IEEE Signal Processing Magazine 2007 as coauthor of a paper entitled “Particle Filtering” and the Outstanding Young Engineer Award from IEEE (Long Island Chapter) in 2009.

Long Island Section Awards



Charles Hirsch Award

KENNETH FRANK

ITT Corporation

“For Advancing the State of the Art of Electronic Countermeasures Systems and Technology”

Ken Frank has over thirty-six years of experience in Electronic Warfare (EW) systems design and development. He is currently the Chief Engineer for ITT EW Products in Amityville, NY. Ken previously held the position of Department Manager for Systems Engineering in Amityville. He has contributed to the development of both airborne and space-based products. His primary area of expertise is EW system architecture and techniques for Self-Protect and Standoff Jammer applications.

Ken has been involved in all aspects of design and system engineering including requirements definition, RF and digital design, system design and analysis, system integration, qualification testing, and flight test. He has been a key contributor in the development of processes for System Engineering. Ken has been responsible for system architectural design across a wide functional area including receivers, signal processing, direction finding, operator interface, jamming techniques, transmitters, automated test, and platform interoperability. He was involved in the establishment of a test facility for Electromagnetic Interference and has managed Internal Research and Development projects. Ken recently served as the Project Manager for a FPGA-based Digital RF Memory upgrade on the AN/ALQ-161A system. He is currently involved in the development of Airborne Electronic Attack technology for the Air Force and Navy.

Ken is a member of the IEEE Societies for Aerospace and Electronic Systems, Electromagnetic Compatibility, and Engineering Management. In 2003, he was awarded the IEEE Region 1 Award “For creative electronic countermeasures systems architecture developments”. Mr. Frank received his BSEE from Virginia Tech in 1974, an MSEE from Polytechnic Institute of New York in 1979, and an MS in Technological Systems Management from Stony Brook University in 2007.

ITT Corporation would like to congratulate the 2011 IEEE Long Island Section award recipients for their contributions towards advancing innovations and technical excellence.

Mr. Kenneth W. Frank
Long Island Section
Charles Hirsch Award

Mr. Michael N. Cunetta
Managerial Excellence in an
Engineering Organization



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Long Island Section Awards



Friend of the IEEE Long Island Section Award FARMINGDALE STATE COLLEGE

“For Exceptional Support of the Long Island Systems, Applications and Technology (LISAT) Conference by Hosting the Event, Providing Staff and Student Assistance from Its Inception in 2005”

Farmingdale State College is the largest college of technology and applied sciences within the State University of New York. With nearly 7,000 students, popular and career-focused academic programs, and a growing research enterprise, the College and its Schools of Business, Health Sciences, Engineering Technologies, and Liberal Arts and Sciences equip its highly-diverse student body with the resources and knowledge sought by today's emerging industries.

Farmingdale also offers programs unique to the region. It operates the only Dental Hygiene program on Long Island. The Aviation Department boasts the only Professional Pilot program at a public college in New York. And its highly-acclaimed Horticulture Department is headquartered near the famed Teaching Gardens, which serve as a living laboratory and one of the most distinctive facilities of its kind in the nation. Newer baccalaureate degree programs are offered in the areas of Bioscience, Medical Technology, Software Technology, Applied Psychology, Applied Economics, and Telecommunications Technology.

Farmingdale is home to the Green Building Institute, which assists municipalities in the conception, design, and construction of energy-efficient structures and a Solar Energy Center which was the first such facility accredited in the Northeast, as well as other numerous “green” initiatives that reflect Farmingdale's early development as an agricultural institute. About to celebrate its 100th Anniversary in 2011-12, and transformed over the last 30 years into a technology-based baccalaureate institution, the College operates on the theme: “Green Then. Green Now.”

In addition Farmingdale has a more than \$1 billion impact on the regional economy through its education, research, and workforce development, according to a study by the Long Island Association. The Small Business Development Center on campus has served over 24,000 clients who, in turn, have invested \$280,000,000 million in the Long Island economy, and the College ranks in the top 100 in the nation in the earnings power of its graduates, according to an analysis by payscale.com. At Farmingdale, students also have abundant opportunities in experiential learning—internships, clinical training, and guided research—that provide practical instruction and personal growth.



Harold Wheeler Award

JOSEPH MERENDA

L-3 Communications Narda Microwave

“For Technical Contributions and Managerial Leadership in the Design of Microwave and Millimeter Wave Subsystems and Components”

Joseph L. Merenda received the B.S.E.E. degree in Electrical Engineering, 1984, the M.S.E.E. degree in Electro-Physics, 1989, and the M.S.E.E. degree in Systems Engineering, 2002, all from the Polytechnic Institute of New York University. Joseph joined L-3 Communications, Narda Microwave East, in March, 1998 as a Principal Engineer and was steadily promoted through the engineering and managerial ranks; he currently serves as the Vice President of Engineering. His department is responsible for the development of the full line of Narda products, which are organized within Active, Passive, Safety and Instrument groups. The Active group designs integrated microwave assemblies that include frequency converters, synthesizers, amplifiers, mixers and oscillators for commercial and military markets, including ground based satellite communication applications. The Passive group supports heritage Narda business in microwave couplers, attenuators and mechanical switches and also develops custom passive and solid state switch assemblies.

The Safety and Instrument group designs portable, rack and vehicle mountable radiation monitoring equipment. Under Joe's innovative technical and managerial direction, Narda has developed into a major supplier of compact, lightweight and highly integrated, microwave assemblies. His contributions significantly factored into L-3 Communication's Microwave Group being awarded four major contracts including ruggedized quad band and agile x-band SATCOM terminals for the USAF, lightweight, man-portable radio frequency equipment for Special Operations Forces and compact ka-band SATCOM-on-the-move converters for WIN-T. Prior to joining L-3, Joe spent fourteen years designing similar systems and components at AIL Systems Inc., RHG Electronics Labs and Hazeltine Corp., respectively. He has published several technical papers and has five patents for technology related to broadband microwave components and low noise receivers. He is a member of the IEEE Microwave Theory and Techniques, Electron Devices, Circuits and Systems and Solid State Circuits Societies.

Long Island Section Awards



Lifetime Achievement Award

JESSE TAUB

Consultant

***“For Outstanding Achievements in Microwave Engineering,
Sustained Service to the Profession and Dedicated Service
to the IEEE Long Island Section”***

Jesse Taub received his BEE from the City College of New York in 1948 and the MEE from the Polytechnic Institute of Brooklyn (now NYU Poly) in 1949. He worked at the Naval Material Laboratory from 1949-1955 and Airborne Instruments Lab (AIL), now part of ITT, from 1955 to 1993 where for many years, he was Chief Scientist, responsible for directing and planning R and D activities. He published extensively on various aspects of microwave technology including millimeter and submillimeter wave components filters design theory and microwave integrated circuits. From 1993 to the present he has been a consultant involved with millimeter wave and phased array technology.

He has been a member of the IEEE for 62 years, joining as a Student Member and becoming a Fellow in 1967. He has been active in the IEEE Microwave Theory and Techniques Society, serving on its Administrative, Technical Program and Editorial Review Committees. He was the Technical Program Co-Chair of the 1988 International Microwave Symposium. He currently is the LI Section's Awards Committee Chairman and is on the LISAT Technical Program Committee. Mr. Taub contributes and edits articles on historical topics for The Pulse. He has received several IEEE awards including the 1984 Centennial and the Third Millennium Medals in 2000; IEEE USA Division Leadership; two Region 1 Awards, Terry for Lifetime Service and the other for contributions to LISAT. AIL gave him the Fowler Award for Outstanding Achievements in Engineering in 1993.

He and his wife, Naomi, share a common interest in archeology. They are both on the Board of the Archaeological Institute of America/LI Society and have traveled extensively to learn about the history of the ancient world.

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Long Island Section Awards

Outstanding Young Engineer Award

ADAM S. CHALSON

Telephonics

***“For Contributions to the Development of Techniques
to Detect Low Radar Cross-section Targets
in a High Sea Clutter Environment”***

Adam Chalson graduated from Boston University in 2002 with a Bachelor of Science degree in Electrical Engineering. He has been working at Telephonics on the APS-143C(V) Airborne Maritime Radar System. His contributions have led to the development of an Enhanced Small Target Detection (ESTD) surveillance mode, which is used for detecting low radar cross section targets in a high sea clutter environment. He has also contributed to the development of Synthetic Aperture Radar (SAR) Imaging modes, Moving Target Indicator (MTI) modes and a Distribution Free Detector for target tracking.

Adam was part of the design teams that developed the custom Signal Processor Interface Boards for the APS-143C(V)3 and RDR-1700G Radar systems. He has completed a number of firmware designs using the latest Field Programmable Gate Array (FPGA) technology. Some of his designs include digital FIR filters, automatic gain control systems, various Radar signal processing techniques and most recently a 64 bit/66MHz PCI interface.

Adam has made significant contributions to the development and production of the APS-143 Radar. In addition to the hardware and firmware design, he has been involved in the testing and integration of the radar at a system level. He has been called upon to solve many challenging issues that occur during manufacturing and during customer integration. Adam has operated the APS-143 Radar on multiple customer platforms during integration including the Sikorsky S-70 helicopter, the U.S. Coast Guard CN-235 and the U.S. Navy P3 fixed-wing aircraft, for which he was required to become certified in Water Survival Training.

While working at Telephonics, Adam completed his Master of Science degree in Electrical Engineering from the Polytechnic Institute of NYU. He was recently promoted to Senior Engineer.



**Congratulations to the
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Adam S. Chalson, Telephonics
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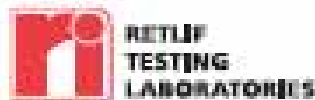
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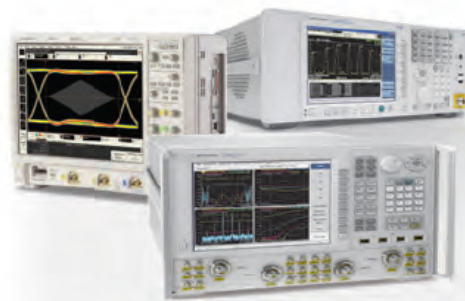
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Region 1 Awards



Technological Innovation Award (Industry or Government)

ROBERT BLOSSER

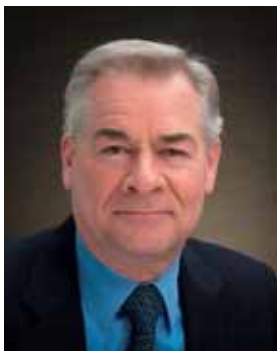
BAE Systems

***“For Contributions to Hyperspatial Image Processing
for Detection of Improvised-explosive-devices
from Unmanned Aerial Vehicles”***

Dr. Robert Blosser was with BAE Systems from 1996 to 2010. His pursuits concentrated on analytical modeling of airborne reconnaissance sensors under the influence of changing environmental conditions and in the presence of various noise sources. The sensor development programs that Bob worked on covered the wavelength range from visible through long wave infrared. The types of sensors included broadband, infrared, multispectral, and hyperspectral. In addition to analytical modeling, Bob was a systems engineer on a number of major hyperspectral imaging programs and was responsible for planning, development, testing and integration activities.

Prior to joining BAE Systems, Dr. Blosser worked three years for the Northrop Grumman Corporation as a section lead for the NPBSE program. Work in this area involved R&D on an optical guidance system. Earlier work emphasized the field of electro-optics. He spent six years at Data Recording Systems, a start-up company at which he was Director of Systems Engineering and one of the co-founders. The company developed and marketed an 800 dot-per-inch laser printer. A major accomplishment was the selection and development of the materials set (photoconductor, toner, and paper) used to produce high quality output from the printer.

Dr. Blosser holds a B.S., M.S., and Ph.D. in Electrical Engineering from Princeton University and an M.B.A. from John Carroll University in Cleveland, OH. He is a licensed Professional Engineer in the state of New York. He is a member of Phi Beta Kappa, Sigma Xi, Eta Kappa Nu, and Tau Beta Pi honor societies and a member of the following organizations: IEEE, SPIE, and AIAA. He is currently Vice-Chair of IEEE Life Members organization, Long Island Chapter.



Technological Innovation Award (Industry or Government)

JAMES P. BLUMLING

Telephonics

***“For Innovative Technical Contributions
to the Field of Radar and Related Disciplines”***

Jim Blumling holds the position of Principal Engineering Specialist at Telephonics Corporation, Radar Systems Division. He is a highly regarded engineering professional in the industry with 35 years of experience in radar and related disciplines. Jim obtained his B.S. in Engineering Physics, with distinction, from Cornell University, College of Engineering in 1975, where he was elected into Tau Beta Pi in his junior year. He obtained his M.S. in Electrophysics from Polytechnic Institute of New York in 1979, through the Grumman Masters Fellowship Program.

Jim began his career at Grumman Aerospace in the radar group, as a key contributor to Grumman's first electronically scanned radar, a demonstration radar that was originally planned for the US Navy's VSTOL program. Jim led efforts to use the radar's wing array antennas for applications in adaptive antenna nulling, designing a full-scale test facility in Calverton. His work in jammer cancellation then led to analyses of anti-jam performance of the JSTARS radar.

His first patent was awarded in 1983 for a processing architecture permitting the multipath bounce used by the E-2C radar to offer a new capability, instantaneous vertical speed measurement, as well as the radial speed provided by the Doppler shift. In 2010, he was awarded a patent for processing that permits radar to provide lower resolution channels while processing a high resolution waveform, thus enhancing larger targets while detecting the smaller targets.

His ingenuity and vision has led to many solutions of technical problems. These include a passive ranging solution used on a test program for the B-52, a closed-loop antenna stabilization algorithm for the CP140 radar, ISAR implementation and support algorithms for the LAMPS helicopter program, and CP140 radar flight test data collection and analysis demonstrating an excellent match between modeling and flight test results.

Region 1 Awards



Managerial Excellence in an Engineering Organization Award

MICHAEL CUNETTA

ITT Corporation

**“For Outstanding Leadership in the Program
Management of Electronic Warfare/Space Products”**

Michael Cunetta has over twenty-seven years of technical and managerial experience in the aerospace and defense industry on Long Island, including positions in Design Engineering, Functional Management and Program Management, and has been with AIL, EDO and ITT for his entire career. Mike began as a Technician at AIL in 1984 and was promoted to Engineer after earning a BSEE. He was assigned to the B-1B's AN/ALQ-161A defensive avionics system, where he finalized a retrofit of the B-1 Receiver, and was assigned to the B-1's Lancer upgrade program, leading a team during the retrofit of a High Power Filter and Transmitter. Mike spent two years as a design engineer on the EF-111A SIP program, and then returned to the B-1B as lead RF Engineer. He led a multi-discipline design team to develop and deliver a gain and phase tracked Antenna/Front End Down Converter to MIT Lincoln Labs. In 2000, Mike took over as Section Manager for the RF Subsystem Design group, and oversaw the new construction and move of the Design Engineering labs from Deer Park to the Amityville facility. Mike became the Digital/Analog Design Department Manager in 2007, and ran the group until 2010.

Since 2000, Mike has also functioned as a Project Manager, responsible for such efforts as Power Monitor design and production for the NStar-c and ANIK-F2 satellites, various B-1B DMS module redesigns, a Link 16 Interoperability Study, Electronic Combat Analysis System integration, and DRFM Production for the B-1B. Mike is presently the Deputy Program Manager for the B-1B, and Program Manager for the Band 4-8 Receiver Redesign. Mike holds a BS degree in Geology from Brooklyn College, a BS degree in Electrical Engineering from NYIT and a MS degree in Technology Systems Management from Stony Brook University. He is a member of the IEEE and the Association of Old Crows.



Managerial Excellence in an Engineering Organization Award

ALFRED J. DUPLESSIS

The Omnicon Group

**“For Managerial Excellence in Leadership,
Design and Development”**

Al received his B.S. in Electrical Engineering from the Polytechnic Institute of New York (1984). He is a Certified Reliability Engineer (1996) from the American Society for Quality and a member of the Institute of Electrical and Electronic Engineers (IEEE) Reliability Society.

As Vice President for The Omnicon Group, Al has technical and management responsibility for the engineering staff, along with managing client engagements and providing project leadership. Since joining The Omnicon Group in 1993, Al has been personally responsible for improving the reliability, maintainability and safety of over eighty systems spanning thirty companies and four industries. A sample of industries and tasks are:

- Communications systems: reliability predictions, failure rate sensitivity analyses, mission modeling, parts analyses, and Failure Modes, Effects and Criticality Analyses (FMECA).*
- Flight-essential aircraft systems: reliability predictions, dispatch analyses, direct operating cost analyses, remove and replace analyses, unscheduled and scheduled maintenance analyses, reliability centered maintenance analyses, hazard analyses, FMECA's, fault tree analyses, and system safety analyses.*
- Critical care medical devices: developing and establishing an effective environmental stress screening program.*
- Military programs: electronic parts/circuits worst case analysis, reliability predictions, FMECA's, testability analyses, failure analyses, corrective action development, qualification test and production test plans and procedures development, environmental stress screening and reliability development/growth test plans and procedures development, and maintainability and testability demonstrations.*

Al is currently supporting the SAE's Aerospace Technical Committee update of Aerospace Recommended Practices (ARP) 4761, Guidelines and Methodology for Conducting the Safety Assessment Process on Civil Airborne Systems and Equipment.

In 2007, Al was named “2006 Reliability Engineer of the Year” by the IEEE Reliability Society for his major contributions in reliability modeling, reliability assessments, reliability improvement studies, and fault analyses.



IEEE LISAT2011

**Long Island Systems,
Applications, and
Technology Conference**

Friday, May 6, 2011
7:30 AM sign-in; 8 AM start

Farmingdale
State College
State University of New York
Rt. 110, Farmingdale, NY

THREE ALL-DAY PARALLEL TECHNICAL TRACKS

Systems

Addressable Power Distribution and Energy Management System for the Built Environment • Comparison of AODV and Roll Routing Protocols w/ Power Lossy Wireless Personal Area Networks for Smart Grid • Convergence of Multiple Radio Access Technologies • Encryption and Multiplexing of Fingerprints for Enhanced Security • H2 Optimal Control of a Kinematic Model of an Autonomous Underwater Vehicle • H-infinity Control of the Kinematic Model of an Autonomous Underwater Vehicle

• Information Dissemination over Low-Bandwidth Links • Model of Smart Solar Power Station • Power Control of Wireless Systems - A Queue and SNR based approach • Power Efficient and Interoperable Cognitive Radio Based Wireless Sensor Network Architecture for Smart Grid Personal Area Networks • Securing our Nation and Protecting Privacy • The Bandwidth Crunch: Can Wireless Technology Meet the Skyrocketing Demand for Mobile Data? • The Impact of Project Retrospectives on Process Improvement Initiatives: A Case Study

Applications

A Few DNA-based Security Techniques • Adding Code Generation to Develop a Simulation Platform • Bit Error Rate Estimation for MIMO HSDPA: Chip Level Wiener Equalizer and Successive Interference Cancellation • Bypassing Web-based Wireless Authentication Systems • Critical Success Factors in Applying Augmentative Communication Devices for Adults with Developmental Disabilities in a Community Outreach Program • Design Methodology for an Ultra-Low Power Phase-Locked Loop (PLL) Circuit in CMOS Technology with Application to Biomedical Wireless Systems • Dielectric Analysis for Torque of Solute Ion Coulomb Force Monopole Motor • Eagle O: A Semi-Autonomous Robot • Effect of Radiation on the Molecular and Contamination Properties of Silicone-Based Coatings • Improved Efficiency of High Power Satellite Systems through Use of Specialized Non-Hermetic Packaging • Low Noise Photoreceiver Integrated With Transimpedance Amplifier • Management of Li-Ion Battery Systems on Board Satellites focusing on Cell Balancing • Middleware/API and Data Fusion in Wireless Sensor Networks • Optically Controlled Switch with Fiber Interface • Real-Time Traffic Information System Based on GPS Tracking • Selection of Electronic Health Records Software: Challenges, Considerations, and Recommendations • • Service-Learning Computing Courses Assist with Technology Needs in Community Based Organizations Serving Older Adults • Sleep Apnea Diagnostic System • Smart Audio Alert Device • Speaking Multimeter with Wireless Display

Technology

Applying Lessons from Safety-Critical Systems to Security-Critical Software • Combinatorics-Based Modeling of Power Consumption systems • Design for Nano-scale Spiral Antenna for Power Harvesting Applications • Design of Resonant Iris Filter with Dielectric Filled Cavities • Enhanced Photosynthesis Based Electric Energy Generation • Fiber Optics for Harsh Environments • Mold Software for GPU Hardware • Practical Implementations of Time Correlation Based Spectrum Sensing methods: WARP for Cognitive Radio • SEVA-INTEGRAL - An Instrument for Exploration of Pathogenic Zones • Spectrum Sensing Based on Time Covariance Matrix by Using GNU Radio and USRP for Cognitive Radio

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"Digital Power Supply Technology"

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EXHIBITS HALL

See exhibits from local technology companies, universities, robotics-competition winners, and professional societies

POSTER SESSION

Authors will be available for one-on-one discussions about their research topics.

PRODUCT APPLICATIONS TRACK

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REGISTRATION AND OTHER INFO: www.ieee.li

LISAT web site: www.ieee.li/lisat



**Long Island Systems, Applications,
and Technology Conference**

Friday, May 6, 2011
7:30 AM sign-in; 8 AM start

Farmingdale State University of New York
State College
Rt. 110, Farmingdale, NY

PROGRAM AT A GLANCE

See LISAT website for registration and conference details: www.ieee.li/lisat

REGISTRATION IN ROOSEVELT HALL						
Opening Ceremony and Keynote Presentations Roosevelt Hall - Little Theater						
	Systems Track Lupton Hall Room T-101	Applications Track Lupton Hall Room 190	Technology Track Lupton Hall Room 161	Product Applications Track Lupton Hall Room 156	CEU/DPH Track Digital Power Supply Technology Roosevelt Hall Rm. 111 See LISAT website for details: www.ieee.li/lisat	Poster Session Roosevelt Hall Multi-Purpose Room (Exhibits Area) Authors will be available for one-on-one discussions about their research topics.
	For details on these tracks go to www.ieee.li/list					
8:30-9:00	BREAK : Roosevelt Hall Multi-Purpose Room Exhibits Area					
9:00-10:15	Session S1 Papers S1-S3	Session A1 Papers A1-A3	Session T1 Papers T1-T3	TBD	Session I Digital Filters for Switch-Mode Power Converters (0.2 CEUs)	
10:15-10:45	BREAK : Roosevelt Hall Multi-Purpose Room Exhibits Area					
10:45-12:00	Session S2 Papers S4-S6	Session A2 Papers A4-A6	Session T2 Papers T4-T6	TBD	Session II Digitally Controlled Bridgeless PFC (0.2 CEUs)	
12:00-1:30	LUNCH : Roosevelt Hall Multi-Purpose Room Exhibits Area					
1:30-2:45	Session S3 Papers S7-S9	Session A3 Papers A7-A9	Session T3 Papers T7-T9	TBD	Session III Overview of 4 Digitally Controlled Power Supply Development Kits (0.2 CEUs)	
2:45-3:15	BREAK : Roosevelt Hall Multi-Purpose Room Exhibits Area					

REGISTRATION RATES

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Professional engineers: \$150
Non-members: \$200
CEU Credit Fee (0.6 CEUs) \$30

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LISAT2010 Conference Committee: Dave Mescher (General Chair), Norrop Gummam Aerospace Systems, Dr. Charles Ruderstein (Co-Chair), Pratt Institute, Brian Quinn (Treasurer), Verizon, Dr. John Fonto (Facilities Chair), Farmingdale State College, Dr. Isaac Benelish (Fundraising), NYIT, Allison Rubin (Publications), Sandy Mazzola, BAE Systems, Nick Golas, Telephonics, (Long Island Section Chair)

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Education Committee: Ted Pappas (Chair), National Crest, Matt Wilson, Epsilon

Region 1 Awards



Managerial Excellence in an Engineering Organization Award

GEORGE LOS

Data Device Corporation

**“For Outstanding Leadership in Military Standard Products
in Product Development and Technical Support”**

George Los graduated from Commack High School in 1996 and immediately attended Polytechnic University on Long Island. He graduated from Polytechnic with Honors in 2000 with a Major in Computer Engineering and a Minor in Behavioral Science. At that time George started his career at Data Device Corporation as a Software Applications Engineer. He worked with many customers' to assist in integration and software development activities for ARINC-429 and MIL-STD-1553 military avionics network systems. While working full time George also went to graduate school at Long Island University and graduated with his MBA in 2004.

After this time George got involved with many business development, marketing, and product management activities. He coordinated all aspects of multiple new product launches including product development, promotions, sales, pricing, and support while managing product websites and frequently updating product information. He was promoted to Product Manager in 2007 as he began to take on even more responsibility for the product line at DDC. He has successfully maintained crucial business relationships and managed key opportunities that resulted in the year-over-year increase in product revenues. He has performed key market research in the Aerospace market both in the US and overseas which has allowed for new market expansion for DDC in the ARINC-429 and MIL-STD-1553 application space.

George is married and has 2 daughters ages 4 and 2. He loves spending all free time with his family and is very happy to live on Long Island and work for a company that designs, manufactures and operates on the island.



Technological Innovation Award (Industry or Government)

BRIAN V. ONORATO

Telephonics

**“For Contributions to Next-Generation FPGA-Based
Radar Signal Processing for Maritime
Surveillance Multi-Mode Radar”**

Brian Onorato received his Bachelors of Science degree in Electrical Engineering from the University of Maryland at College Park. Over the past ten years at Telephonics, Brian has been concentrating on the development of airborne maritime surveillance and imaging radars for a wide range of platforms from UAV's to fixed wing to helicopters. Brian's primary focus is Field Programmable Gate Array (FPGA) based radar signal processing where he has been instrumental in exploiting the FPGA's explosive growth, efficient processing power and model based development methodologies over the past 10 years.

Improving performance, while reducing power, cost and weight Brian's modular designs are deployed on multiple product lines at Telephonics. Some of Brian's work includes a replacement for Surface Acoustic Wave filters with a reconfigurable digital matched filter, high fidelity radar target scenario generators, constant false alarm rate processors that operate robustly over a wide range of platform geometries & sea states and various other hardware and software based products.

Most recently Brian led the development of an advanced reconfigurable quad-FPGA radar signal processor for the Automatic Radar Periscope Detection and Discrimination (ARPDD) upgrade to the AN/APS-147 Multi Mode Radar System deployed on the United States Navy's MH-60R. This radar signal processor provides multi-gigabit interfaces for high time bandwidth radar returns used to generate high throughput Constant False Alarm Rate detections in littoral and blue water environments. Brian participated in field tests to verify system level operation in challenging real world environments. In his spare time Brian enjoys surfing, snowboarding and fishing.

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Farmingdale State College applauds the Long Island Section for its commitment to the academic and professional development of students studying engineering and engineering-related disciplines. The College is grateful for the Section's partnership with the Farmingdale College Foundation to provide scholarships which assist students in achieving their academic aspirations.

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The Long Island employees of Northrop Grumman applaud this year's IEEE award winners, and the IEEE for all that it and its members contribute to the profession and to society. IEEE is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. IEEE, including the 2,500-member Long Island Section, supports advancing technology and introduces technology careers to young people around the world.

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- ◀ RF/Microwaves
- ◀ Power Systems Management
- ◀ Systems Engineering
- ◀ Telecommunication Networks
- ◀ Wireless Innovation

Region 1 Awards



**Enhancement of the IEEE or Engineering
Profession's Image with the Public Award**

THEODORE G. PAPPAS

National Grid

"For Contributions to the Continuing Education of Engineers"

Ted Pappas is the Director of System Operations (Long Island) for National Grid. National Grid is an international electricity and gas company and one of the largest investor owned energy companies in the world, delivering gas and electricity to millions of people across Great Britain and the northeastern US. In the US, National Grid delivers electricity to approximately 3.3 million customers in Massachusetts, New Hampshire, Rhode Island and New York and manages the delivery of electricity to 1.1 million customers on Long Island under an agreement with the Long Island Power Authority (LIPA).

With respect to the latter, Ted is responsible for the day to day operation of LIPA's electric system from the 345KV interties to the individual services to each customer. Ted is also responsible for LIPA's NERC and NERC/CIP compliance programs.

Ted joined the Long Island Lighting Company (LILCO) in 1981 as an Electrical Engineer and has held various engineering, construction and operating positions throughout the company working for LILCO, KeySpan and now National Grid. Ted is a member and past Chairperson of the New York Independent System Operator's Operating Committee and the New York State Reliability Council. Prior to joining LILCO, Ted was employed by American Electric Power.

Ted received a BS and MS from NYU (Brooklyn Poly) in 1979 and 1983, respectively. As a student, Ted joined IEEE and recently was Chairperson of the Long Island Section. Ted developed and remains active in organizing a PE track for LISAT. Ted is a licensed Professional Engineer in the State of New York. Ted resides in Deer Park with his wife and two children. Jody, his wife of 29 years, is a teacher's aide at Saints Cyril and Methodius School. Ted's daughter, Kristina, is a recent graduate of the University of Scranton and his son, Damon, is a sophomore at Hofstra University.



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ORGANIZED BY IEEE REGION 1, SOUTHERN AREA SECTIONS, METSAC

IEEE INNOVATION DAY

Realize Your Vision

Tuesday, May 17, 2011

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Learn about the future of innovation and network with the brightest engineering minds and colleagues from academia, business and government.

WHY ATTEND?

IEEE Innovation Day will help you create value by implementing new ideas, which can have profound, long-term effects on your career. The day will feature sessions on innovation in business and technology, innovation for globalization and a panel/workshop on innovation in professional advancement.

WHO SHOULD ATTEND?

Students, researchers, faculty, and business professionals engaged in the disciplines of engineering, information technology, science, and management will greatly benefit.

PROGRAM

Continental Breakfast and Opening

Welcome Message from Jerry Hultin, President of NYU-Poly
Followed by Keynote Speaker TBA

Innovation in Technology and Business

Inspiration from World Leaders

Lunch Talk: "Becoming an Innovation Sherpa"™

Innovation for Globalization

Global Health, Solar Lantern, Rural Wireless

Break: Networking / Tour of NYU-Poly Game Innovation Lab

Innovation in Professional Advancement & Enrichment

Real World Experiences & Stress Management

Closing Reception: Student Projects and Demonstrations

Information and Registration

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Fellow Award

YUANYUAN YANG
Stony Brook University

**“For Contributions to Parallel and
Distributive Computing Systems”**

Dr. Yuanyuan Yang received BEng and MS degrees in computer science and engineering from Tsinghua University, Beijing, China, and MSE and PhD degrees in computer science from Johns Hopkins University, Baltimore, Maryland.

Dr. Yang is a Professor and Graduate Program Director of Department of Electrical & Computer Engineering, a Professor of Department of Computer Science, the Director of Communications & Devices Division of New York State Center of Excellence in Wireless and Information Technology (CEWIT), and the Director of High-Performance Computing and Networking Research Lab at Stony Brook University. Dr. Yang is internationally recognized for her contributions in networking and parallel & distributed computing systems areas. She was elected as an IEEE Fellow in 2009 "for contributions to parallel and distributed computing systems." Her current research interests include wireless/mobile networks, optical networks, high-speed networks, interconnection networks, multicast communication and parallel and distributed computing systems.

Dr. Yang has served as an editor for IEEE Transactions on Parallel and Distributed Systems, and is currently an editor for IEEE Transactions on Computers and Journal of Parallel and Distributed Computing. Dr. Yang has published more than 230 scientific papers in leading refereed journals, conferences and book chapters. She is an inventor/co-inventor of six U.S. patents in the area of interconnection networks. She received an IEEE Region 1 Award for "significant contributions in multicast switching networks" in 2002, and the Best Paper Awards at 18th IEEE International Parallel and Distributed Processing Symposium in 2004, and 7th International Conference on Parallel and Distributed Systems in 2000. She has served as a general chair, program chair or vice chair for several major conferences and a program committee member for numerous conferences.



**The College of Engineering and Applied Sciences
The Department of Electrical and Computer Engineering
and the Center for Advanced Sensor Technology
(Sensor CAT)**

at Stony Brook University

extend hearty congratulations to

Professor Mónica Fernandez Bugallo

recipient of the Long Island Section's

Athanasios Papoulis Award

and

Professor Yuanyuan Yang

new IEEE Fellow



IEEE PES Award

Power & Energy Society (PES) Outstanding Engineer Award

GREG SACHS

EmPower Solar

"For Contributions to the Engineering Profession, and for Leadership in the Long Island Renewable Energy Industry"

Greg is and has been involved in many renewable energy activities on Long Island. Foremost, Greg is a part owner and Chief Operating Officer of EmPower Solar, one of Long Island's premier solar contracting and consulting companies. Along with David Schieren, EmPower's CEO, Greg and David manage 30 employees in the marketing, sales, design and installation of solar photovoltaic systems. EmPower has installed over 200 solar systems including some of the largest commercial photovoltaic on Long Island.

Greg is also an elected executive officer, founding member and Corporate Secretary for the Long Island Solar Energy Industries Association (LISELA). LISELA's core mission is promoting a healthy, ethical and vibrant solar industry on Long Island. Since inception three years ago LISELA has grown to become the 'voice of the industry' on Long Island, representing contractors, suppliers, electrical inspectors, architects and engineers. As such Greg works closely with many related organizations including Renewable Energy Long Island (RELI) and the Long Island Power Authority (LIPA). In working with LIPA Greg and his colleagues are directly responsible shaping existing and upcoming rebate policies and procedures impacting the entire region.

Greg is also a practicing Professional Engineer and an active member of the IEEE. Greg has given several lectures to the IEEE Power & Energy Society, including lectures at Stony Brook University, the Nassau Bar Association, and other Universities. Greg is a US Merchant Marine Academy graduate who later returned to his Alma Mater to teach Electrical Engineering and co-found the "USMMA Alternative Power Program" and "Kings Point Sustainability Association." Greg is also a Navy Nuclear Power School graduate and former Nuclear Engineer from Knolls Atomic Power Laboratory. Greg recently graduated from the Massachusetts Institute of Technology with a Master of Science, focusing on Smart Grid design with a high penetration of renewables.



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Contech Marketing would like to Congratulate the Long Island IEEE Section Awards Winners on their outstanding achievements!



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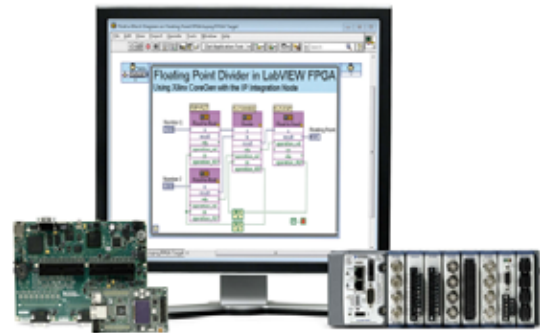
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EmPower Solar



Gregory D. Sachs, PE
Chief Operating Officer

Would Like To
Congratulate
Gregory D. Sachs, PE

On receiving the
"Outstanding Engineer
Award for
Contributions to the
Engineering Profession,
and for Leadership in
the Long Island
Renewable Energy
Industry"

About the IEEE LI Section Awards

ALEX GRUENWALD AWARD

This Award honors an IEEE member who has made important contributions to our profession on Long Island, and to the IEEE at large. Alex Gruenwald was an IEEE pioneer in the area of professional activities. He was a very active member of the Long Island Section, and went on to be a Region 1 Director.

ATHANASIOS PAPOULIS AWARD

This award is presented to educators in engineering, science, or mathematics, either living or teaching within the boundaries of the Long Island Section of the IEEE, who has demonstrated innovative teaching techniques. Athanasios Papoulis was a professor at Polytechnic University who was committed to promoting quality technical education on Long Island.

CHARLES HIRSCH AWARD

This Award recognizes an IEEE member who has made an outstanding technical contribution that has benefited Long Island. Charles Hirsch was a creative engineer at Hazeltine.

FRIEND OF THE IEEE LONG ISLAND SECTION AWARD

This award is given to a company or organization in recognition and appreciation of prominent and continued support of the IEEE Long Island Section and its members, in support of the Section's goals, activities and the Engineering Profession.

HAROLD WHEELER AWARD

This Award recognizes an IEEE member who has demonstrated outstanding technical and management abilities. Harold Wheeler was a world-famous engineer, who throughout his career at Hazeltine and Wheeler Labs, made many important technical contributions. He was a founding member of the IEEE Long Island Section.

LIFETIME ACHIEVEMENT AWARD

This Award is given to a member who has demonstrated continual and distinguished leadership, outstanding career-long contributions and service benefiting the Engineering community and the IEEE LI Section. This award is the highest honor the IEEE Long Island Section bestows on an individual.

OUTSTANDING STUDENT BRANCH AWARD

This award is given to an IEEE student branch that is from one of the Long Island engineering schools. The Award recognizes outstanding activities that encourage student interest in the IEEE.

OUTSTANDING VOLUNTEER AWARD

This award honors a Long Island Section member for substantial contributions to IEEE volunteer activities at the International, National, Region, Section, Chapter, or Society level.

OUTSTANDING YOUNG ENGINEER AWARD

This Award honors a Long Island IEEE member who has made important technical contributions prior to his or her 35th birthday.

About the IEEE Region 1 Awards

TECHNOLOGICAL INNOVATION (INDUSTRY OR GOVERNMENT)

For significant Patents, for discovery of new devices, development of applications or exemplary contributions to industry or government.

MANAGERIAL EXCELLENCE IN AN ENGINEERING ORGANIZATION

For managerial excellence in organization, leadership, design and development.

ENHANCEMENT OF THE RELATIONSHIP BETWEEN IEEE AND INDUSTRY

For significant contributions in an enhanced IEEE-INDUSTRY relationship

ENHANCEMENT OF THE IEEE OR ENGINEERING PROFESSION'S IMAGE WITH THE PUBLIC

For significant contributions in developing IEEE-PUBLIC relationship.

OUTSTANDING SUPPORT FOR THE MISSION OF THE IEEE, RAB, REGION 1 AND SECTION

For outstanding Service to the IEEE at Chapter, Section, Region, RAB or National level.

About the IEEE Fellow Award

Since 1963, IEEE has acknowledged those individuals who have contributed to the advancement of engineering science and technology. As it stands today, the IEEE Grade of Fellow is conferred by the Board of Directors upon a person with an extraordinary record of accomplishments in any of the IEEE fields of interest. A brief citation is issued to new Fellows describing their accomplishments and the total number selected in any one year does not exceed one-tenth percent of the total voting Institute membership.

For information on how to submit an IEEE member for an award, please contact the IEEE Long Island Section Awards Committee Chairman Jesse Taub, at: jjtaub@aol.com

IEEE MISSION & VISION

Mission Statement

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

Vision Statement

IEEE will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions.



IEEE *facts*

- *The IEEE is a non-profit, technical professional association. IEEE set its all-time record for membership in January 2011, with 417,883 members. This represents an increase of 2.3 percent compared with January 2010.*
- *Its members are spread in over 160 countries across the world*
- *The organization is a leading authority on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics*
- *The IEEE produces 30 percent of the world's published literature in electrical and electronics engineering, and computer science fields*
- *The IEEE has 1,300 standards and projects under development*
- *The IEEE has nearly 3 million documents in the IEEE Xplore Digital Library with more than 7 million downloads each month*
- *The IEEE has 38 Societies and 7 Technical Councils representing the wide range of IEEE technical interests*
- *The organization annually sponsors more than 1,200 conferences in 78 countries worldwide*

SPECIAL THANKS TO OUR AWARDS NOMINATION COMMITTEE

Jesse Taub, Chairman

***Nikolaos Golas
Dr. Ralph James
Alfred Lopez
Rod Lowman***

***Velio Marsocci
Richard Mohr
Arlene Zhang***



IEEE

LONG ISLAND SECTION

Quick Facts

- *The IEEE Long Island Section (LIS) started as an Institute of Radio Engineers (IRE) chapter in 1947*
- *The LIS became a full Section of the IRE in 1953 and in 1997 we celebrated the Section's 50th anniversary*
- *The LIS was formed by Jim Shepherd of Sperry*
- *In 1954, the Microwave Theory and Techniques became the first Professional Group Charter and it was closely followed by the Professional Group on Instrumentation*
- *In 1958, the Student Affairs Committee was formed and offered a 15-week math & science course free to high school teachers that was fully accredited by NY State*
- *In 1963 with the merger of the IRE and the American Institute of Electrical Engineers (AIEE) to become the IEEE the Section was realigned and its members from Queens were transferred to the NY Section*
- *IEEE Trivia: The IEEE 802 committee was formed in February (the second month) of 1980, and thus was called "802." The Ethernet IEEE 802.3 standard, for example, was ratified in the IEEE annex building 3 in Geneva at that time.*
- *All IEEE Long Island Section positions are staffed by volunteers*
- *Visit and explore our website at: www.IEEE.LI*



**We wish to
congratulate this
years Award
recipients!!**

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LI Consultants Network (LICN)

Microcom Sales

National Instruments

NYU-Poly LI Graduate Center

Project Management Institute (PMI) LIC

Rohde & Schwarz, Inc.

Spectrum Sales

Texas Instruments

UL

Some Famous Long Island IEEE Members

by Jesse Taub, Historian, IEEE Long Section

As you peruse your 2011 Awards Ceremony Program, you will find the names of previous awardees from Long Island. You will also note a list of all of our Section Chairs since the Section's inception in 1947. As you scan these lists, many notable names pop out. Space does not permit me to describe my complete list of notables. Therefore, I will limit my comments to the following eight.

Harold Wheeler

Our 1948 Section Chair, was a radio pioneer with inventions dating to the 1920's. After World War II, he founded Wheeler Labs and made major contributions to microwave and antenna theory. Harold received the prestigious IEEE Medal of Honor. Our Section has an award named after him. One of his many sharp engineering employees, **Henry Bachman**, became our 1966 Section Chair and subsequently became an IEEE president.

Eugene Fubini

The 1957 Section Chair had his Long Island roots in AIL (now part of ITT). He was a World War II pioneer in developing electronic counter measures and became one of our country's top experts. He left Long Island in 1961 to become an Assistant Secretary of Defense in the Kennedy Administration.

George Litchford

He was a pioneer in the development of air traffic control systems and the IEEE gave him its Lamme Medal in recognition of this major accomplishment.

Athanasios Papoulis

An outstanding professor at the Polytechnic Institute of Brooklyn (now NYU-Poly), he made important contributions in the application of probability theory to the design of electronic systems. As a noted educator, our Section's Outstanding Educator Award appropriately bears his name.

Nathan Marcuvitz

He was another distinguished NYU-Poly professor and a world recognized authority on Electromagnetics. The IEEE acknowledged this by presenting him with its prestigious Heinrich Hertz Medal. Many engineers know him from his authorship of the classic Waveguide Handbook, Volume 10 of the MIT Radiation Laboratory Series.

Mischa Schwartz

He taught at NYU-Poly and then at Columbia University. He was given the IEEE Education Medal. He is a major contributor in the area of communications education.

Joel Snyder

Our 1971-72 Section Chair, is a well respected engineering consultant. He also had a passion for the treatment of the average working engineer. He was a major force of having the IEEE show concern for issues of interest to the profession as well as maintaining its earlier mission of a technical organization. His activities were widely recognized and this led to his election as an IEEE president.

I could easily have added ten more people to this article. However, these examples are enough to illustrate that the IEEE members from Long Island have and will continue to be recognized nationally, as well as locally.

IEEE PREVIOUS MEMBER RECOGNITION

Our Long Island Section Historians, Rod Lowman & Jesse Taub, have compiled this list of past Chairs, living past Awardees and Fellows elected to the Section, and others attracted to the Section

WHEELER AWARD

2010 Bert Moskowitz
2009 Veljko Radeka
2008 Kenneth Schneider
2007 Ralph B. James
2006 Richard Klumpfbeck
2005 Peter McVeigh
2004 Arie Kaufman
2003 Stanley Oken
2002 Edward M. Newman
2001 Gary R. Lomp
2000 James Smith
1999 Yacov Shamash
1998 Paul Richman
1997 Seymour Okwit
1996 Henry Bachman
1995 Jerome Swartz
1994 William Rubin
1993 Alfred Lopez
1992 Leonard Kahn
1991 Ivan Frisch
1990 Peter Hannan
1989 Patrick Barry
1988 Frederic Salerno

GRUENWALD AWARD

2010 Santo Mazzola
2009 James Colotti

2008 Arthur Rossoff*
2007 David Wolf
2006 Daniel Rogers
2005 David Mesecher
2004 Charles Rubenstein
2003 William Rooney
2002 Babak Beheshti
2001 Thomas A. Campbell
2000 Herman Fialkov
1999 Eduardo F. Palacio
1998 Peter Buitenkant
1997 Eleanor Baum
1996 Irwin Weitman
1995 Stephen Barre
1994 Joel Snyder
1993 Robert Bruce
1992 Robert Barden
1991 Sheldon S.I. Chang
1990 Donald Christiansen
1989 Donald L. Schilling
1988 Alexander Schure
1987 John Truxal

HIRSCH AWARD

2010 Thomas R. Neiland
2009 David Mesecher
2008 Babak Beheshti
2007 Yuri Okunev
2006 Aleksey Bolotnikov
2005 Peter Vanier
2004 Raj Bridgelall
2003 Bruce Willins
2002 Robert H. Pflieger
2001 Javed Siddiqui
2000 Gary Schay
1999 Robert Pang
1998 Joseph T. Merenda
1997 Donal Neuf
1996 Peter McVeigh
1995 Christopher Kaiteris
1994 Richard Klumpfbeck
1993 Zdenek Adler
1992 Mathew Dwork
1991 Ronald Rudish
1990 Sol Greenberg
1989 George Sandler
1988 Donald Grieco
1987 Roderic Lowman

1986 Stephen Shapiro
1985 Joseph Calviello
1984 Richard Frazita
1983 Prof. E. J. Smith
1982 Evelyn Berezin
1981 John Stangel
1980 Enrico Levi
1979 A.D. Alexandrovich
1978 Richard LaRosa
1977 Page Burr
1976 Patricia Burgmyer*

PAPOULIS AWARD

2010 John F. Hennings
2009 Sina Rabbany
2007 Frank A. Cassara
2006 Serge Luryi
2006 Wendy K. Tang
2005 Kenneth Short
2004 Peter Voltz

OUTSTANDING YOUNG ELECTRICAL ENGINEER

2009 Monica F. Bugallo
2008 Gabriella Carini
2006 David Hernandez
2005 Justin Maloney-Hahn
2004 Jonathan Garruba
2003 Michael Sussich
2002 Ronald J. Bajit
2001 Fatih M. Ozluturk
2000 Scott Weiner
1999 Raj Bridgelall
1998 Wing C. Kwong
1997 Paul Eyring
1995 Kenneth Aupperle
1994 Ynjiun Wang
1993 Cecelia Jankowski

FRIEND OF THE IEEE LONG ISLAND SECTION

BAE Systems

OUTSTANDING STUDENT BRANCH AWARD

2005 Stony Brook University
2007 Stony Brook University
2010 Stony Brook University

SECTION IEEE FELOWS

F.R. Arams
E. Aslan
E. Aslan
Henry Bachman
M.Q. Barton
Eleanor Baum
Gregory Belenky
Ilan Ben-Zvi
Arthur Bernstein
D.M. Bolle
R.R. Boorstyn
William Caputi
J.H. Chadwick
C.T. Chen
Donald Christiansen
Julius Di Franco
Petar Djuric
Eric Forsyth
Joseph Fragola
J.R. Fragola
H. Frank
Ivan Frisch
Richard Gambino
Peter Hannan
H. Harris
S. H. Horowitz
J. Katz
Arie Kaufman
A. Kershenbaum

H.W. Kraner
S. Kuo
Richard La Rosa
Konstantin Likharev
Alfred Lopez
P.J. Meier
Richard Mohr
Seymour Okwit
K.S. Packard
W. Palmer
John Piero
Veljko Radeka
Paul Richman
Thomas Robertazzi
William Rubin
D.C. Schleher
L. Schwartzman
Yacov Shamash
Leonard Shaw
S. Shinnars
N.A. Spencer
Jerome Swartz
T. Tamir
Jesse Taub
J. Vogelmann
David Weissman
Wu-Tsung Weng
W. Weng
J.J. Whelehan, Jr.
Yuan Yuan Yang
Dante Youla

Others in the Section

John Asvestas
John Piero
Ronald Pirich
Walter Poggi
Brian Quinn
Paul Richman
Stefan A. Robila
Daniel A. Rogers
Craig Romano
Richard Ronde
Charles Rubenstein
Ronald M. Rudish
Henry Ruston
Mark Sadick
Melvin Sandler
Michael L. Schreiber
Frederick Schuessler
Murray Simpson
Graham Smith
Joel Snyder
Martin Somin
David W. Sterner
Jerome Swartz
Karl Sygall
Jesse Taub
K. Wendy Tang
Frank Torre
Bryan Tropper
Hang-Shen Tuan
Charles Verbeke
Peter Voltz
Charles Vozzo
David Wang
Fu-Lin Wang
Scott Weiner
Irwin Weitman
Walt Whipple
Bruce Willard
Christopher Witt
David Wolff
Yuan Yuan Yang
Stanley Zoubek, Jr.
Victor Zourides
Mark Zuchowski

REGION 1 AWARDS

Craig Aarseth
Scott Abrams
George Alikakos
Harvey Altstadter
Richard Augeri
Henry Bachman
Robert Barat
Robert Barden
Kenneth C. Baron
Babak Beheshti
Charles Berger
John Beukers
Stephan Jon Blank
Nader Bolourchi
Gary Cachules
Thomas Campbell
Frank Cassara
Bernard Cheo
Richard Clouse
James Colotti
William DeAgro
Peter Djuric
Melvyn Drossman
Paul M. Eyring
Arthur Faverio
John A. Fiorillo
Joseph Fragola
Kenneth Frank

Harvey Glass
Nikolaos Golas
Michael Green
Shahe Halajian
Richard Hines
Robert Hong
Ivan Kadar
Leonard Kahn
Richard Knadle
Richard Koch
Richard Krabak
Frederick M. Kruger
Raymond Lackey
Richard LaRosa
L.I.F.T.
Alfred Lopez
Roderic Lowman
Peter Lubell
Louis Luceri
Edward Magill
Vello Marsocci
Daniel Mazziata
Andrew McNerney
Niel F. Miele
Donald Neuf
Donald Neuhaus
James Onorato
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Bernard Payton
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NATIONAL AWARDS

Dennis J. Picard Medal
William Caputi, Jr.

Robert S. Walleigh Award
Charles Rubenstein

SPECIAL AWARDS

2000 Millennium Awards

Harvey Altstadter
Henry Bachman
Babak Beheshti
Robert Bruce
Thomas Campbell
David Doucette
Peter Eckstein
Ivan Frisch
Alfred Lopez
Rod Lowman
Louis Luceri
Vello Marsocci
Seymour Okwit
Eduardo Palacio
John Piero
Paul Richman
Jerome Schwartz
Joel Snyder
Wendy Tang
Jesse Taub
Irwin Weitman

1984 Centennial Award

Henry Bachman
Donald Christiansen
David Doucette
L.B. Felsen*
F.J. Kosasek
Roderic Lowman
R.A. Olsen
Veljko Radeka
Jay Stewart
Joel Snyder
Jesse Taub
J.G. Truxal
David E. Weissman
Victor Zourides

MGA William W. Middleton Distinguished Service Award

Louis Luceri

IEEE-USA

Harvey Altstadter
Robert Bruce
Lawrence Edelman
Thomas Downey
Barbara Kent
Charles Rubenstein
Joel Snyder
Jesse Taub
Irwin Weitman
Victor Zourides

RAB AWARD

Joel Snyder
K. Wendy Tang
William Wilkes

IEEE MEDALISTS

Henry Bachman
Eric Forsyth
Ivan Frisch
Nathan Marcuvits*
Mischa Schwartz
Jerome Swartz
John Truxal

SECTION CHAIRS

2010 Jon Garruba
2009 Santo Mazzola
2008 William C. DeAgro
2007 Theodore Pappas
2006 David Wolff
2005 Daniel Rogers
2004 Christian DiFranco
2003 David Mesecher
2002 William Rooney
2001 Babak Beheshti
2000 Babak Beheshti
1999 Amnon Gilaad
1998 Harvey Altstadter
1997 Harvey Altstadter
1996 Nader Bolourchi
1995 Thomas A. Campbell
1994 Eduardo F. Palacio
1993 Eduardo F. Palacio
1992 John Piero
1991 John Piero
1990 Melvyn M. Drossman
1989 Klaus Breuer
1988 Vello Marsocci
1987 Steven Rebovich
1986 Donald Grieco
1985 Richard LaRosa
1984 Arnold Goldman
1983 Robert Barden
1982 Louis Luceri
1981 Donald Neuhaus
1980 Alexander J. Kelly
1979 David Doucette
1978 Edward J. Fuller
1977 Victor Zourides
1976 Peter D. Lubell
1975 Roderic V. Lowman
1974 Thomas Schulkind
1973 Frank H. Williams*
1972 Joel Snyder
1971 Joel Snyder
1970 Arthur Rossoff*
1969 Saul W. Rosenthal*
1968 Henry W. Redlin*
1967 Irwin Vogel
1966 Henry L. Bachman
1965 Richard C. Price
1964 Harold Brownman
1963 Murray Simpson
1962 William T. Cooke*
1961 Joseph Kearney*
1960 Henry Jasik*
1959 J. Gregg Stephenson*
1958 R.K. Hellmann*
1957 Eugene G. Fubini*
1956 David Dettinger
1955 Paul G. Hansel
1954 Wm. F. Bailey*
1953 Vincent Learned
1952 Charles J. Hirsch*
1951 Hugh E. Webber*
1950 John Dyer*
1949 Orville M. Dunning*
1948 Harold A. Wheeler*
1947 Eric Isbister*
*Deceased

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