



IEEE Long Island Section 2010 Annual Awards Ceremony

MESSAGE FROM THE CHAIRMAN



IEEE Colleagues and Friends:

Welcome to the 2010 Awards Banquet. As chairman of the Long Island section I am honored to preside over this event. Thank you for attending, your presence is a vital part of this event. Although we will be honoring individuals for their outstanding achievements and contributions, it is only through community and team work that these achievements are made.

Our Long Island Section has a long and distinguished history of producing key contributions to the profession and society. This proud tradition is carried on through the exemplary work of the awardees. This year, Section members and Organizations received eight Region 1 Awards, and six IEEE Long Island Section Awards. Also, one of the Section's members will be awarded the prestigious IEEE Fellow Award. It is inspiring to witness the tenacious commitment and dedication of the members of our Section.

Tonight we are privileged to have Mr. Robert Lohneiss with us as the keynote speaker. Bob is the Chief Engineer for the Broad Area Maritime Surveillance Unmanned Aircraft System (BAMS UAS) Program at Northrop Grumman. Under Mr. Lohneiss' direction, this leading edge program is defining the future of aerospace systems. I'm sure you will all enjoy Mr. Lohneiss' discussion of the key elements and innovations of this fascinating program.

We will also take some time this evening to recognize the volunteers whose efforts energize the Section. It's through their work that the Section's many events and activities are possible. I would like to personally thank the entire Executive Committee (ExCom) and their families for their selfless participation. It is your energy and enthusiasm that facilitates and promotes advancements in technical areas that benefit all of society.

Special thanks are in order for the volunteers who made tonight's event possible, the ExCom officers and the Awards Committee. This year the planning and execution of the Awards Banquet was done as a team effort consisting of all of the Sections' Executive Committee Officers, and the Junior Past Chairman. Many thanks are due to my team: Nick Golas, Sue Frank, Brian Quinn, Robert Berger, and Sandy Mazzola. In addition, I would like to thank Jesse Taub and the Awards Committee for their effort in selecting and championing our Section's awardees.

I would also like to remind you that the second major event for the Long Island Section is coming up next month. The IEEE Long Island Section will hold the 2010 Long Island Systems, Applications and Technology (LISAT) Conference on Friday, May 7, 2010 at Farmingdale State College of the State University of New York. LISAT will feature presentations that highlight new and interesting work on a variety of electronic systems, technologies and applications - most of which are Long Island based. This is the sixth annual conference, and each year volunteers work hard to improve it. This year will be no exception. The more people who participate, contribute and attend this event the better we are all able to generate and promote future success for Long Island. Please join us at the LISAT Conference this year. For the latest information on the LISAT Conference, see www.IEEE.LI/LISAT.

Next, I would like to recognize our corporate sponsors whose generous support is essential to promoting engineering in our community. Without their financial support the Section could not provide the same quality service to our members.

Finally, I would like to thank all the members and engineers on Long Island for working to improve society. As members of the IEEE it is important to keep in mind its vision: "Foster technological innovation and excellence for the benefit of humanity."

*Congratulations to all of the 2010 award recipients.
Jon Garruba, Chairman IEEE Long Island Section
Chairman@IEEE.LI*



IEEE Long Island Section Awards Ceremony

Thursday April 8th, 2010

Keynote

Agenda



Robert F. Lohneiss Jr.

Aerospace Systems
Battle Management & Engagement
Systems Director, Chief Engineer
Northrop Grumman Corp.

***“Broad Area Maritime Surveillance
Unmanned Aircraft System Overview”***

Since 2006, Bob Lohneiss has worked as the Chief Engineer on the Broad Area Maritime Surveillance Unmanned Aircraft System (BAMS UAS) Program for the Eastern Region of Aerospace Systems. As the Chief Engineer Bob Lohneiss is the technical authority on the BAMS program elements ensuring that the program is adhering to sound engineering processes in the development, production, test and sustainment of our products to the customer. The program recently conducted a successful Preliminary Design Review. The first flight for BAMS UAS is scheduled for mid-2012 and will have an initial operating capability in late 2015.

Mr. Lohneiss has twenty-five years of technical, business development and program management experience in the aerospace industry focused on technical solutions, integration, test, engineering processes and tools. He has worked extensively in the systems engineering discipline on both new and upgraded systems. While in the USMC, he served as a Bombardier/Navigator flying the Grumman A-6E Intruder with VMA (AW) 533 on the USS Saratoga.

Mr. Lohneiss attended the United State Naval Academy in Annapolis, Maryland and graduated with a Bachelor’s Degree in Mechanical Engineering and earned a Masters of Science in Operations Management from Polytechnic University. In May 2009 he received a Masters of Engineering in Systems Engineering from Stevens Institute of Technology.

- 6:00 - 7:00 PM *Guest Arrival, Hors d’oeuvres*
- 7:00 - 7:10 PM *Call to Order, Welcome
Jon Garruba
Chairman, IEEE, L.I. Section*
- 7:10 - 7:25 PM *Keynote Address:
Robert F. Lohneiss Jr.
Chief Engineer
Northrop Grumman Corp.*
- 7:25 - 7:45 PM *IEEE Long Island Section
Volunteer Recognition
Jon Garruba*
- 7:45 - 8:00 PM *IEEE Long Island Section
Awards Jesse Taub, Awards
Chairman*
- 8:00 - 9:00 PM *Dinner*
- 9:00 - 9:15 PM *IEEE Region 1 Awards
Jesse Taub, Awards
Chairman*
- 9:15 - 9:20 PM *IEEE Fellow Award
Jesse Taub, Awards
Chairman*
- 9:20 - 9:30 PM *IEEE MGA Awards
Jesse Taub, Awards
Chairman*
- 9:30 - 9:40 PM *IEEE PES, ERB, Reliability
Awards Jesse Taub,
Awards Chairman*
- 9:40 - 9:45 PM *Closing Remarks
Jon Garruba
Chairman, IEEE, L.I. Section*
- 9:45 - 10:15 PM *Dessert and Coffee*



National Grid and Long Island T&D

congratulate the recipients of the

IEEE Long Island Section Awards



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Congratulations to this Year's Award Recipients!

Section Awards

Alex Gruenwald Award: **Mr. Santo (Sandy) Mazzola**
 Athanasios Papoulis Award: **Prof. John F. Hennings**
 Charles Hirsch Award: **Mr. Thomas R. Neiland**
 Friend of the IEEE LI Section: **BAE Systems Inc.**
 Harold Wheeler Award: **Mr. Bert Moskowitz**
 Outstanding Student Chapter: **Stony Brook Univ.**

IEEE Fellow Award: Dr. Thomas Roser
IEEE MGA Award: InterDigital Inc. Telephonics Corp.
IEEE PES Chapter Outstanding Engineer Award: Mr. Steven Rubin
IEEE EAB Pre-University Educator Award: Mr. Robert Spira
IEEE Reliability Engineer of the Year Award: Mr. Nathaniel Ozarin

Region 1 Awards

For Technological Innovation (Industry or Government): **Mr. Kenneth C. Baron**
 For Outstanding Support for the Mission of the IEEE: **Mr. Nikolaos Golas**
 For Managerial Excellence in an Engineering Organization: **Mr. Niel F. Miele**
 For Technological Innovation (Industry or Government): **Dr. Ronald G. Pirich**
 For Outstanding Support for the Mission of the IEEE: **Mr. Brian J. Quinn**
 For Managerial Excellence in an Engineering Organization: **Mr. Richard R. Ronde**
 For Technological Innovation (Industry or Government): **Mr. Michael L. Schreiber**
 For Enhancement of IEEE or Engineering Profession's Image with Public: **Mr. David Sterner**

Telephonics Congratulates

Our 2010 IEEE Award Recipients

Telephonics Corporation is a worldwide leader in Integrated Information and Communication Systems. We serve Aerospace, Defense and Commercial markets throughout the globe. Whether it is in the air, on the sea, or ground-based, our electronic systems are on board to ensure the safety and security of thousands of military and civilians worldwide.

We know it takes great people to achieve this, and we are proud to congratulate our 2010 IEEE Award Recipients:

Nikolaos Golas
 Bert Moskowitz
 Thomas Neiland
 Michael Schreiber





LONG ISLAND SECTION

2010

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The Institute of Electrical and Electronics Engineers, Inc. Long Island Section

2009

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Long Island Section Awards



Alex Gruenwald Award

SANTO (SANDY) MAZZOLA

BAE Systems Inc.

**“For Exceptional Dedicated Efforts Towards
Strengthening the IEEE Professional and Technical
Activities on Long Island”**

Sandy Mazzola is the Junior past Chairman of the IEEE Long Island Section and a past winner of a Region 1 Award for Enhancement of the IEEE in Industry and Community. Sandy has also served as Chairman and Vice-Chairman of the Long Island EMC Society.

Sandy has been an Electromagnetic Compatibility engineer dealing with designing and obtaining compliance for military equipment and commercial equipment for over 25 years. He currently works for BAE Systems in Greenlawn. Sandy is responsible for all aspects of Electromagnetic effects on the products at BAE Systems. He is involved with designs for EMI, EMC, EMP, ESD, Lightning, Nuclear Radiation hardness, and TEMPEST.

Sandy has recently made technical presentations to the Long Island Consultants Network, the EMC Society, and presented papers at the LISAT Conference. He started his career as an EMC engineer for the Dayton T Brown Company and then worked for AIL Systems in Deer Park as the EMC laboratory manager. He then moved to Symbol Technologies as a Regulatory Compliance EMC engineer, managing the Gigahertz Transverse Electromagnetic Cell (GTEM) lab and was involved with obtaining worldwide RF approvals for international transmitter products. Sandy is a Senior Member of the IEEE and is a certified Electromagnetic Compatibility Engineer, by the International Association of Telecommunications Engineers (iNARTE). Sandy has a BS in Electrical Engineering from SUNY Stony Brook. When not chasing electrons Sandy enjoys life with his wife Susie, daughter Maggie, and son Andrew.



Athanasios Papoulis Award

PROF. JOHN F. HENNINGS

Webb Institute

**“For innovative Teaching of Electrical Engineering
and Dedication to Student Development”**

John F. Hennings is a Full Professor of Electrical Engineering at Webb Institute in Glen Cove, New York. He has served in this capacity from 1990 to the present. He is also a retired officer in the Naval Reserve. He holds an M.S. in Computer Science and a B.S.E. in Electrical Engineering from Pratt Institute. He also has an A.A.S. in Electrical Technology from Queensborough Community College of the City University of New York.

Prof. Hennings taught Electrical Engineering in the Marine Engineering Department at the United States Merchant Marine Academy, Kings Point, New York from 1985 to 1990 and continues to teach there as an adjunct Professor.

Prof. Hennings was born in the Bronx, New York and upon graduating from high school, he enlisted in the United States Navy and served as a Gun Fire Control Technician aboard various destroyer-type ships. Several years after being discharged from active duty, he accepted a commission in the Naval Reserve as an Engineering Duty Officer.

Prior to starting his career as an educator, he worked as an Associate Planning Engineer for the American Electric Power Corporation and as an Electronics Technician/Engineering Aid for various companies in the New York area.

Prof. Hennings is an avid fisherman and also enjoys reading and listening to various types of music, including jazz and classical. He is a member of ASEE, ASNE and the IEEE. He is also a member of Tau Alpha Pi, Tau Beta Pi, and Eta Kappa Nu. He is a past recipient of the Prosser Award for Service to the Regiment, USMMA, 1988 and the McNaulty Award for Distinguished Teaching, USMMA, 1990.



CONGRATULATIONS

to Sandy Mazzola, BAE Systems

and all the

2010 honorees

at the IEEE Long Island Section Awards Banquet

And condolences to the family and colleagues of David Sterner



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ITT Corporation would like to congratulate the 2010 IEEE Long Island Section award recipients for their contributions towards advancing innovations and technical excellence.



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Long Island Section Awards



Charles Hirsch Award

THOMAS R. NEILAND

Telephonics Corp.

**“For the Development of a Single-slot VME Card
for Front-end Radar Signal Processing”**

Thomas Neiland has 20 years of experience in Electrical Engineering. His early career included Infrared and optical imaging research at Grumman Aerospace where he designed interface electronics for various sensors. From there he transitioned to X-ray imaging and the Development of Digital Mammography imaging devices at Trex Medical Corporation.

Since 1997, Thomas has been with the Telephonics Corporation. He started as a Hardware Engineer on the AN/APS-147 Multi-Mode Radar's Signal Data Processor development. He then supported the system integration and transition to production, where it is currently being produced at rate of 4 systems a month.

Since 2001 he has worked on several other Radar projects including the IRAD development of the Signal Processor/Interface Board, used to support front end signal processing for the Telephonics APS-143 Product Line. He worked as a Systems engineer on the development of the APS-143C-(V)3 Radar for the Coast Guard's Maritime Patrol Aircraft, where he supported the design and development of the Radar and was an active participant in the flight test phase. He is currently involved in the upgrade of the Signal Processor for AN/APS-147 ARPDD Radar as a Systems Engineer/Architect and designed a real-time Radar Data Recorder for flight tests.

Thomas graduated from SUNY Stony Brook with both a Bachelors and Masters Degree in Electrical Engineering and an MBA from Dowling College. In his spare time, Thomas enjoys home renovation, restoring DeLoreans and playing golf.

Friend of the IEEE Long Island Section Award

BAE SYSTEMS

BAE SYSTEMS INC.

**“For Long Term Encouragement and Financial Support
of IEEE Long Island Section Activities”**

BAE Systems Greenlawn is a long time supporter of the IEEE Long Island Section. In 1953 with the help of Harold Wheeler and Charles Hirsch, both of Hazeltine Corporation (precursor to BAE), the Long Island Section was formed. BAE Systems has a long history of its employees being involved with the Long Island Section of the IEEE and supporting it with facilities to hold meetings and significant technical contributions.

BAE Systems is a global defense, security and aerospace company with approximately 107,000 employees worldwide. BAE Systems delivers a full range of products and services for air, land and naval forces, as well as advanced electronics, security, information technology solutions and customer support services. BAE Systems Greenlawn is the headquarters of the Intelligence, Surveillance & Reconnaissance (ISR) Solutions business area. BAE employs more than 800 people who work at the forefront of military identification and surveillance systems that enable our men and women in combat to operate safely and effectively against threats seen and unseen. BAE is one of the world's leading suppliers of Identification Friend or Foe (IFF) Technology.

BAE recently delivered the Airborne Wide Area Persistent Surveillance (AWAPSS) system, and became the first to provide a system with day/night persistent surveillance capability. BAE also provides leading edge rugged processing, mission control and display equipment for U.S. and International airborne platforms. BAE also provides leading edge rugged processing, mission control and display equipment for U.S. and International airborne platforms. BAE's sophisticated stealth and GPS based antenna solutions are key enablers for military and commercial markets with future emphasis on automated precision landing and unmanned aerial combat systems.

Long Island Section Awards



Harold Wheeler Award

BERT MOSKOWITZ

Telephonics Corp.

“For Many Innovative Contributions to the Successful Management of Engineering Programs”

Bert Moskowitz received a BSEE degree from the City University and an MSEE degree from New York University. In addition, he received a Professional Degree Electrical Engineering from Columbia University and an MBA from Long Island University.

He began his career as an analog circuit designer for Federal Scientific Corporation. He then worked for Kollsman Instrument Corporation as a digital circuit designer. He continued his digital design at Loral Electronic Systems from 1969 through 1977 where he began a management track by taking over leadership of digital design group of 15 engineers providing technical guidance and oversight.

From 1977 through 1984, Bert worked at Telephonics in an Engineering/Program Management positions responsible for cost, technical and schedule performance on a number of Audio Communication and Control Systems. These systems included a multitude of technologies including digital/firmware designs, software, analog/acoustics designs and noise and crosstalk suppression techniques.

From 1984 through 1991 he worked at General Instrument Corporation as Director of Engineering. He returned to Telephonics Corporation in 1991 as Vice President of Engineering for the Communication Systems Division contributing to Telephonics' success in becoming the worldwide leader in sales of Secure Audio Communication Systems. One of the most significant achievements was to lead a multidisciplinary engineering team to a Capability Maturity Model Integration (CMMI) Level 5 certification. His guiding philosophy of technical management has been to foster open communications, establish all relevant facts and to trust the people to do their jobs. He's married for 45 years with two boys and hobbies include swimming, traveling, and spending time with his grandchildren.

**PROUD TO SERVE OUR NATION –
AND OUR COMMUNITY.**

At BAE Systems, we're as committed to the communities where we live and work as we are to providing the world's most advanced defense electronics and information technology solutions. It's in this spirit that we congratulate the 2010 IEEE Long Island award recipients.

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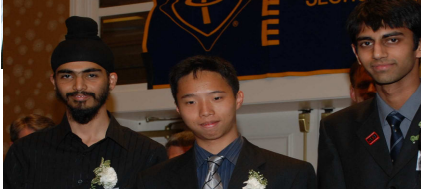
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Long Island Section Awards



Advisor Prof. Thomas G. Robertazzi, and officers of the Stony Brook IEEE Student Branch



Outstanding Student Chapter Award

STONY BROOK UNIVERSITY STUDENT CHAPTER

“For Promoting Many Activities that Assist Students to Become Effective Engineering Professionals”

The IEEE Stony Brook Student Branch ties together technological interests and professionalism under advisement from Prof. Thomas G. Robertazzi. The Branch offers frequent circuitry and programming based projects as well as networking events with professors and working professionals.

The members of IEEE Stony Brook have achieved academic success individually, and in turn held review sessions and study groups to aid everyone mutually. With relevant interest, they held soldering lessons and PHP/C programming lessons that are not commonly taught in classrooms. They have also collaborated on projects outside of our academia such as the Headphone Amplifier Design Competition, IEEE Xtreme Programming, and Micromouse. The Student Branch invited Texas Instrument engineers as guest speakers to discuss the topic of Digital Signal Processing.

The Branch has a student-operated laboratory with expensive laboratory equipment and an inviting meeting space for members of the club to use. The Branch holds social mixers with the Engineering department faculty and professors to learn more about what Stony Brook has to offer. The Branch also holds meetings with industry employers to gain an advantage during career fairs. The members participate in the annual Engineering Ball hosted by Stony Brook’s College of Engineering and Applied Sciences and the traditional Roth Regatta in which they build and navigate a boat made of cardboard, paper, tape, and paint.



***THE COLLEGE OF ENGINEERING AND
APPLIED SCIENCES***

AT STONY BROOK UNIVERSITY

***WISH TO EXTEND THEIR CONGRATULATIONS TO
OUR IEEE AWARDS RECIPIENTS***

***STONY BROOK UNIVERSITY STUDENT CHAPTER
OFFICERS AND MEMBERS,***

***FOR THEIR OUTSTANDING STUDENT CHAPTER AWARD
AND THEIR ADVISOR PROF. THOMAS G. ROBERTAZZI***

Region 1 Awards



Technological Innovation Award (Industry or Government)

KENNETH C. BARON

BAE Systems

“For Optimization of Battle-Space Image Processing for Dual Use Data Compression and Automatic Focus”

Kenneth C. Baron received his BS in Electrical Engineering from Polytechnic University in 1983. As an undergraduate, Ken was active in the IEEE student branch at the Farmingdale campus and became a member of Eta Kappa Nu, the Electrical Engineering Honor Society. He received his MS in Computer Science from the same school in 1998.

Ken began his career at Sperry in Great Neck NY. Ken worked for fifteen years in both Systems and Software engineering on various parts of the Trident submarine navigation system. Ken received a Patent for work on the Navigation Sonar System used for both bathymetric and velocity measurements. Ken spent many days at sea testing this sonar system, including 10 days submerged during Bravo sea trials on the first Trident II submarine. Ken then worked for Vicon Industries for four years on Closed Circuit TV surveillance systems. Ken joined BAE Systems in 2001 designing reconnaissance camera systems for military aircraft. During the flight test Ken developed the method for finding best focus using image compression ratio as a focus metric. He utilized this technique to focus the first BAE SYSTEMS F9120 Advanced Reconnaissance System during a trip in-country with the Royal Air Force of Oman.

Ken lives in East Northport with his wife Theresa and their two sons. Ken is the cub scout den leader for each of his sons. Ken takes many photos at cub scout events and often uses image size (compression ratio) as a metric to weed out images that are blurred due to motion or poor focus.



Outstanding Support for the Mission of the IEEE Award

NIKOLAOS GOLAS

Telephonics Corporation

“For Outstanding Service to IEEE Long Island Section by Single-handedly Starting a Chapter of the Instrumentation & Measurement Society and for Selflessly Undertaking Many Other Section Tasks”

Nikolaos Golas started his career with Telephonics' Radar Systems Division in 2002. Currently he is working on the Mode 5 AIMS government certification effort for Telephonics' product line of Identification Friend or Foe (IFF) Interrogators. In July 2009 he led the team to the successful SIF and Mode 4 AIMS government certification in half the allotted time.

Nikolaos has extensive experience (over 10 years) in the development of Test Software as a National Instruments LabVIEW developer and has successfully completed several product development programs consistently achieving both programmatic and technical goals. For the AWACS IFF upgrade program he developed automated Environmental Stress Screening (ESS) procedures and test programs for both the Solid State Transmitter and the Low Noise Receiver LRUs thus reducing the cost of the production program.

Mr. Golas started his career working for AIL Systems, now part of ITT Corporation. At AIL he worked on the U.S. Air Force's B-1B Lancer bomber Self-Protect Jamming System designing ATE systems that were delivered to the Air Force and utilized in the testing of the AN/ALQ-161A system. To reduce the cost of test he designed and implemented the Universal Factory Test Equipment (UFTE). The UFTE system is reconfigurable with industry standard interface capable of testing many production lines including the Universal Exciter Upgrade (UEU) where over 550 UEU systems were delivered to the Navy within time and budget.

He is a Senior Member of the IEEE and served the IEEE Long Island Section as Vice-Chair, Membership Development Chairman, Instrumentation & Measurement Society Chairman, Pulse Newsletter Editor. He was secretary of the LISAT Conference from 2007-09.

Region 1 Awards



Managerial Excellence in an Engineering Organization Award

NIEL F. MIELE

Lockwood, Kessler & Bartlett

“For Overall Managerial Excellence in Organization, Leadership, Design and Development within an Engineering Organization”

Niel F. Miele has over 30 years of successful engineering and management experience in the design and development of electronic and electrical systems. Following 20 years in Long Island’s high tech electronics industry, his career shifted into the power transmission and distribution sector. As Vice President of Lockwood, Kessler & Bartlett he manages the Electrical and Mechanical design departments of the firm.

Niel has managed technical teams in the design, development, and construction of transmission and distribution substations and power lines; SCADA systems; shipboard power distribution systems; digital communication systems; microwave and GPS navigation systems; satellite control systems; and radar systems.

One of his most notable projects is the restoration of the PATH signal system at Ground Zero following 9/11. He is the author of technical papers and presentations as well as corporate strategic business and marketing plans.

Niel holds a BS degree in Electrical Engineering from Lehigh University and an MBA from Adelphi University. He is a licensed Professional Engineer in many states and a LEED Accredited Professional. In addition to the IEEE, he is a member of the Power Engineering Society, the National Society of Professional Engineers, and the US Green Building Council.



Technological Innovation Award (Industry or Government)

RONALD G. PIRICH

Northrop Grumman Corporation

“For Contributions to Aerospace Technology and the Modeling of Electromagnetic Effects of Systems Integration”

Dr. Ronald Pirich has been at the Northrop Grumman Corp. since 1977. He has held various R&D positions including Research Scientist, Sr. Research Scientist, Staff Scientist, Laboratory Head, Director, Technical Manager and Technical Fellow.

Ron has over thirty two years of experience in systems engineering, technical integration and research & development of technologies including nanotechnology, sensors and advanced coatings, materials for signature management, Principal Investigator of several NASA materials processing in Space Programs, several USAF/USN/Government Signature Management efforts, DARPA Unconventional Pathogen Countermeasures programs, US Army Chem/Bio Detection programs, and an advanced NASA HR&T Program. He is also a key contributor to Northrop Grumman’s BioHazard Detector System (BDS) for the United States Postal Service.

He holds nine patents and several patents pending, author of 250 technical papers and presentations, has been recognized for his efforts in support of the B-2, E-2, F-14, EA-6B, JSTARS, BDS and chem-bio detection and received several NASA Technical Innovator Awards. Ron currently is responsible for advanced computation modeling & simulation for electromagnetic environmental effects, chemical, biological, nuclear, radiological and explosives warfare defense, next-generation sensors and advanced coatings at Northrop Grumman’s Aerospace Systems. He is actively involved with the IEEE Region 1 and was the recipient of the prestigious 2008 Sixty Over Sixty Award for his lifetime contributions to education and science on Long Island.



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Region 1 Awards



Outstanding Support for the Mission of the IEEE Award

BRIAN J. QUINN

Verizon

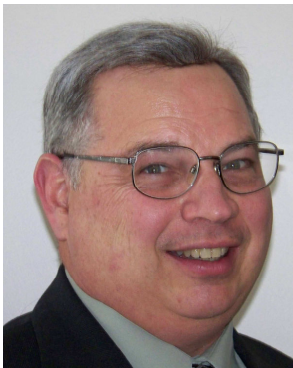
“For Outstanding Contributions to IEEE Long Island Section and its LISAT Conference while Serving as Treasurer”

Brian Quinn has worked for over 20 years at Verizon in Information Technology. He manages for some key Verizon initiatives a full team of project and program managers, business analysts, database staff and testers. He has extensive involvement in both portfolio and procurement management.

Brian has both an M.S. degree in Telecommunications with a concentration in Project Management and an M.S degree in Information Systems Management.

He is actively involved in the IEEE where he serves as Treasurer for both the Long Island Section since 2006 and the LISAT Conference.

In addition, Brian is a member of the IEEE Computer Society, served as the Communications Society Vice Chairman and is a member of PMI and is PMP certified. He is very active in charity work serving on various boards and committees.



Managerial Excellence in an Engineering Organization Award

RICHARD R. RONDE

BAE Systems

“For Managerial Leadership in Development of Antennas and Facilitating Borderless Operations amongst BAE Systems, Sanders & Wheeler-Hazeltine Antenna Technology Groups”

Richard Ronde began his career in 1976 with Hazeltine Corporation working for the renowned Wheeler Laboratory Antenna Group. He has worked on military systems during his 34 year career including ground to ground communication antennas, air to air IFF antennas and point to point secure MMW links. During the 1990s he worked on commercial electronics including antennas and electronics for the cellular phone industry and antennas to bring satellite radio and television signals to commercial aircraft in flight.

After several acquisitions and mergers Richard works for BAE Systems, ISR division in Greenlawn. He is being recognized for this award for his ability to merge the talents of two prestigious legacy antenna development and engineering groups into a cohesive team. The legacy Sanders and Hazeltine antenna groups were rivals at one time. Today, they are a united team complementing each other's expertise and bringing new technologies and solutions to the industry.

Throughout his career Richard has had the privilege of working with some of the elite leaders in the antenna community. These include IEEE Fellows Alfred Lopez, Peter Hannan, and Henry Bachman and other IEEE award recipients including Richard Kumpsbeck, John Pedersen and Joseph Merenda. Early in his career he also had the distinct honor of working with Harold Wheeler. Richard would like to dedicate this award to these individuals whose influence on his technical expertise and work ethic made it possible for him to be receiving it today.



Long Island Systems, Applications, and Technology Conference

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

Friday, May 7, 2010
7:30 AM sign-in; 8 AM start

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 <i>Roosevelt Hall - Little Theater</i>																	
7:30-8:00	Systems Track Lupton Hall	Applications Track Lupton Hall	Technology Track Lupton Hall	Product Applications Track Lupton Hall	CEU/PDH Track <i>Electric Utility Distribution Engineering</i> Roosevelt Hall Rm. 111 See LISAT website for details: www.ieee.li/lisat	Poster Session <i>Roosevelt Hall Multi-Purpose Room (Exhibits Area)</i> Authors will be available for one-on-one discussions about their research topics.											
<i>For details on these tracks go to www.ieee.li/list</i>																	
8:30-9:00	BREAK : Roosevelt Hall Multi-Purpose Room Exhibits Area																
9:00-10:15	Session A1	Session B1	Session C1	ALE System Integration: High Performance Computing in the Financial Industry													
10:15-10:45	BREAK : Roosevelt Hall Multi-Purpose Room Exhibits Area																
10:45-12:00	Session A2	Session B2	Session C2	National Instruments: Test Technologies for Military & Aerospace													
12:00-1:30	LUNCH : Roosevelt Hall Multi-Purpose Room Exhibits Area																
1:30-2:45	Session A3	Session B3	Session C3	Data Device Corp: MIL-STD-1553 for Commercial Aircraft													
2:45-3:15	BREAK : Roosevelt Hall Multi-Purpose Room Exhibits Area																
3:15-4:30	Session A4	Session B4	Session C4	National Instruments: Latest COTS Technologies for Electronic Warfare Applications													
					<table border="1"> <tr> <td>8:35 - 10:15</td> <td>Session I Basic power engineering concepts & transmission/distribution topology (0.2 CEUs)</td> </tr> <tr> <td>10:15-10:30</td> <td>BREAK</td> </tr> <tr> <td>10:30-12:10</td> <td>Session II Distribution system protective devices and fault clearing (0.2 CEUs)</td> </tr> <tr> <td>12:10 - 1:10</td> <td>LUNCH</td> </tr> <tr> <td>1:10 - 2:50</td> <td>Session III Distributed Generation & Cable Testing (0.2 CEUs)</td> </tr> <tr> <td>2:50 - 3:15</td> <td>BREAK</td> </tr> </table>	8:35 - 10:15	Session I Basic power engineering concepts & transmission/distribution topology (0.2 CEUs)	10:15-10:30	BREAK	10:30-12:10	Session II Distribution system protective devices and fault clearing (0.2 CEUs)	12:10 - 1:10	LUNCH	1:10 - 2:50	Session III Distributed Generation & Cable Testing (0.2 CEUs)	2:50 - 3:15	BREAK
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1:10 - 2:50	Session III Distributed Generation & Cable Testing (0.2 CEUs)																
2:50 - 3:15	BREAK																

REGISTRATION RATES
 IEEE members: \$150
 Unemployed IEEE members: \$35
 IEEE student & life members: \$75
 Professional engineers: \$150
 Non-members: \$200
 CEU Credit Fee (0.6 CEUs) \$ 30

Register at LISAT web site: www.ieee.li/lisat

Region 1 Awards



Technological Innovation Award (Industry or Government)

MICHAEL L. SCHREIBER

Telephonics Corporation

“For Outstanding Contributions to Development of Advanced Waveform Generators for Identification Friend or Foe (IFF) Systems”

Michael L. Schreiber received a Bachelors of Science degree in Computer Engineering from the Rochester Institute of Technology in Rochester, New York. Over the past nine years at Telephonics, Michael has been concentrating on the development of various Secondary Surveillance Radar (SSR) and Identification Friend or Foe (IFF) Systems. Such systems have included IFF waveform generators, cryptographic computer interfaces, IFF environment simulators, and various other hardware and software based products. Michael has also been involved in the testing at both the assembly and the system level. He has also flown on multiple test flights as well as traveled to customer sites to perform troubleshooting or other analysis.

Most recently his work has been focused on the development of the Telephonics IFF product line. Telephonics has been successful in developing a modular approach to various IFF systems. Over the past three years Michael has been the lead hardware engineer, developing and integrating IFF solutions for fixed wing and rotary wing aircrafts.

In 2008 he received a personal letter of recognition from The Boeing Corporation for his critical role in the successful completion of the Boeing P8-A, Multi-Mission-Aircraft Test event. In 2009 Michael received his professional engineering licensure in electrical engineering. Currently Michael is pursuing a Master's Degree in Electrical Engineering from NYU Polytechnic University. In his spare time Mike enjoys skiing and visiting the family cabin in Quebec, Canada.



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

DAVID STERNER (Posthumously)

Honeywell

“For Contributions to Profession Through Exemplary Service as the Long Island Section Pulse Newsletter Chair”

David W. Sterner earned his Bachelor of Science degree in Mathematics from Findlay College, OH in 1966 and a Masters degree in Chemical Engineering in 1969 from the University of Toledo, OH. He was an Eagle Scout and served in the US Air Force.

He started his career at RCA, Solid-State Technology Center in Somerville, NJ developing custom integrated circuits for the military and then moved to General Instrument Microelectronics Division in Hicksville, NY as a Quality Assurance Manager supporting integrated circuits for computer peripherals. He spent the next 20 years at Standard Microsystems in Hauppauge, NY as a QA manager and Manager of Reliability and Compliance developing custom integrated circuits for computers, communications, LAN cards, hubs and switches. For the last 10 years he worked at Honeywell International in Syosset, NY as a Sr. Quality Assurance Engineer where he implemented electromagnetic compatibility test procedures for FCC and international EMC.

David served the Long Island IEEE community as Vice Chair for the Electromagnetic Compatibility Society in 2004 and as its Chairman in 2005 and for the last few years as the editor of the Pulse newsletter. He became a Senior Member in 2006.

David was on a diving trip in Cozumel, Mexico and on Friday May 29th, 2009 he came up from the second dive of the day, banded up his camera, took off his fins, tensed, and then collapsed and he could not be revived. He had no known health or heart problems & was a very experienced diver, having gone to Cozumel at least 20 times and dived all over the world. He was just 64 years old.



Fellow Award

THOMAS ROSER

Brookhaven National Laboratory

**“For Contributions to the Design of Magnets
in Particle Accelerator Application”**

Thomas Roser earned a Ph.D. in nuclear physics from the Swiss Federal Institute of Technology in Zurich in 1984, for the measurement of parity violation in 50 MeV proton-alpha elastic scattering. He then joined the University of Michigan, first as post-doc and then assistant research scientist and professor, working on spin effects in high-energy elastic proton-proton scattering and acceleration of polarized proton beams. In 1991, he joined the AGS Department at Brookhaven National Laboratory where he became Acceleration Division Head in 1994. He oversaw the high intensity beam development at the Brookhaven Alternating Gradient Synchrotron (AGS) resulting in the world record beam intensity for a proton accelerator – a record that is unbroken to this day. He also led the effort to accelerate polarized protons in the AGS using compact partial Siberian snakes, constructed from variable-pitch helical dipole magnets, to overcome the multitudes of spin-depolarizing resonances. With the partial Siberian snakes in the AGS, a record 65% beam polarization was reached at a beam energy of 25 GeV. In 1999, as Accelerator Division Head of the newly formed Collider-Accelerator Department, he led the commissioning of the Relativistic Heavy Ion Collider (RHIC) and the development of polarized proton acceleration, resulting in the first 250 GeV polarized proton collisions in RHIC. He presently serves as Chair of the Collider-Accelerator Department at BNL.

Thomas Roser has been honored with BNL’s Sambamurti Memorial Lectureship Award in 1994, the BNL Science and Technology Award in 2000, and the Nuclear & Plasma Sciences Society/IEEE Particle Accelerator Science and Technology Award in 2005. He has served on numerous advisory committees, and he is currently chair of both the CERN Machine Advisory Committee and the Accelerator Technical Advisory Committee of the new J-PARC facility in Tokai, Japan and will chair the 2011 Particle Accelerator Conference.

IEEE MGA Award

InterDigital®

**2009 Supporting Friend of IEEE Member and Geographic Activities Award
INTERDIGITAL COMMUNICATIONS CORPORATION**

**“For continued Support of IEEE Long Island Systems, Applications and
Technology Conference (LISAT) by providing significant financial
and technical contributions over five consecutive years”**



**2009 Supporting Friend of IEEE Member and Geographic Activities Award
TELEPHONICS CORPORATION**

**“For continued support of IEEE Long Island Section by providing significant
contributions to the Section and Chapter meetings, as well as
encouraging Telephonics employees to serve as IEEE volunteers**



IEEE PES Award

Power & Energy Society (PES) Outstanding Engineer Award

STEVEN RUBIN

Dilworth & Barrese, LLP

“For Contributions to the Engineering Profession, and for Leadership in the Formation of a New Power & Energy Society Long Island Chapter”

Steven Rubin has over 10 years experience in counseling clients on patent related matters. He advises clients throughout all phases of a patent's life from conception by an inventor to enforcement. He drafts and prosecutes patent applications and has managed large international patent portfolios. He identifies potential patent infringement assertions and potential cross-licensing opportunities and provides infringement opinions as needed. He represents clients in patent enforcement and litigation matters domestically and internationally. Mr. Rubin also reviews patent portfolios and pending patent litigations in relation to corporate mergers, acquisitions and investments.

Steven holds a Bachelor of Science degree in Electrical Engineering. He concentrates in technology relating to electronics and computer science and has worked in diverse fields such as computer architecture, software, RF-ID, electrical components, medical devices, military, micro-lithography, cryptography, search engines, network configuration and architecture, optical communication, electrical signal encoding, networks, semiconductor technologies, antennas, electric and electronic circuits, medical equipment, and mechanical technologies.

A Senior Member of IEEE, Mr. Rubin is the Chairman of the IEEE Long Island Section Power & Energy (PES) and Industrial Applications (IAS) Joint Societies Chapter, and the Legal Affairs Section Officer for the Long Island Chapter. He is a corresponding member of IEEE-USA Intellectual Property Law Committee and a member of Eta Kappa Nu.

He is an adjunct professor at Stony Brook University for a course on intellectual property law. He has also taught patent law to students and faculty at Brooklyn Law School, Fordham Law School, Stony Brook University, and Farmingdale State College.



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

Steve Taranovich (516) 526-1841
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Dilworth & Barrese, LLP

Congratulates

Steven Rubin

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Dr. Ronald Pirich

Ron is a member of our Battle Management and Engagement Systems team in Bethpage. We are proud that he is being recognized for his contributions to aerospace technology and his work in the modeling of electromagnetic effects of systems. The Long Island employees of Northrop Grumman also applaud all of this year's IEEE award winners, and the IEEE for all that it and its members contribute to the profession and society.



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IEEE EAB Award

IEEE Educational Activities Board (EAB) Pre-University Educator Award

ROBERT SPIRA

Ward Melville High School

“For Inspiring and Motivating High School Students Through Imaginative Teaching and Extracurricular Activities to Excel in the Study of Physics and to Choose Careers in Science and Engineering”

Robert Spira received his BS degree in Physics from the State University of New York at Oneonta in 1986 and the Advanced Graduate Certificate in School District Administration (1999) and the MS in Science Teaching (1996) from Stony Brook.

Mr. Spira has had a lifelong interest in science. He is dedicated to his field and to his students. He participates in a summer enrichment course at Brookhaven National Laboratory to encourage students to participate in particle physics. His Science Club Science Bowl team competed at the regional competition at Brookhaven National Laboratory for the past seven years where they placed first six times and then continued on to the National Science Bowl in Washington, DC. Moreover, his students indicate that these activities have helped them to apply concepts learned in class to real-world problems.

He believes in the natural abilities of his students and works tirelessly to facilitate their understanding of complex concepts. His methods go beyond lecturing and drilling formulas to figuring out, probing the “whys” and “hows” and using hands-on techniques to demonstrate concepts, principles and problems. His classes are memorable and inspiring. His students go beyond studying physics; they become immersed in it, and they are always eager to learn more.



IEEE Reliability Award

2009 Reliability Engineer of the Year Award

NATHANIEL OZARIN

Omnicon Group Inc.

“For his Many Accomplishments in the Reliability Profession with an Emphasis on Innovative and Practical Techniques and Tools for Reliability Engineering and Contributions to Reliability Community Education”

Nathaniel Ozarin received a BSEE from Lehigh University, an MSEE from Polytechnic Institute of New York, and an MBA from Long Island University. The first half of his career was in electrical engineering, during which time he developed digital and analog circuits ranging from ultra-stable, ultra-precision instrumentation devices to 800-ampere precision-controlled power supplies for ship-board degaussing circuits. Since most of his work was for US Government agencies, reliability and maintainability were nearly always key design requirements.

In the mid-1990s, Nat’s work was redirected to full-time software development for US and other government agencies. Software development brought new kinds of reliability and maintainability requirements, including DO-178B guidelines for aircraft software development. Nat has authored nine (9) papers and presented three (3) tutorials on Software FMEA and Bent Pin/Interconnection Analysis which have been presented at a variety of reliability conferences. He also created an IEEE Expert Now Educational Course for the Reliability Society on Software FMEA which includes Nat’s vocal narrative. Since 2000, Nat has been a Senior Engineer at The Omnicon Group Inc. a company specializing in reliability and safety analyses for the military, medical, industrial, and transportation industries. Currently, Nat focuses on reliability engineering (hardware and software), systems engineering and software engineering.



*Congratulations to our Fellow
Award Employee*

Dr. THOMAS ROSER

*and to the IEEE Long Island Section
and all the Award Recipients*

**HERE'S TO THOSE
WHO KNOW HOW
TO GENERATE
CREATIVE SPARKS.**

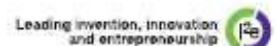
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About the IEEE LI Section Awards

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.

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 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 2009, ending the year with 397,001 members. This represents an increase of 14,601 members, or 2.6 percent compared with 2008.**
- **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 developed nearly 900 active industry standards**
- **In 2009 IEEE celebrated the addition of the two millionth article to IEEE Xplore, the world's largest source of valuable, cutting-edge, research, standards and educational courses. The IEEE Xplore digital library is the most trusted source for vital information in technology today.**
- **The organization annually sponsors more than 900 conferences 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 *Quick Facts*
LONG ISLAND SECTION

- 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
- All IEEE Long Island Section positions are staffed by volunteers
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Omnicon Group

Texas Instruments



IEEE PREVIOUS MEMBER RECOGNITION

Long Island Section Historian, Rod Lowman, has compiled this list of past Chairmen, living past Awardees and Fellows elected to the Section, and others attracted to the Section

WHEELER AWARD

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. Lump
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

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

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 Kumpfbeck
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 Prof. Enrico Levi
1979 A.D. Alexandrovich
1978 Richard LaRosa

1977 Page Burr

1976 Patricia Burgmyer*

PAPOULIS AWARD

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 Canini
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

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F. R. Arams
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M.Q. Barton
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Ilan Ben-Zvi
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