



Dear IEEE Colleagues, Honorees, and Friends:

Welcome to the 2014 IEEE Long Island Section Awards Ceremony!

Tonight we have a chance to honor some of the IEEE members among us who have excelled. Our Long Island Section has a long and distinguished history of producing key contributions to the profession and to society and this proud tradition is carried on through the exemplary work of the awardees. This year, Section members and Organizations received five Region 1 Awards, nine IEEE Long Island Section Awards, and an Award from the IEEE Educational Activities Board (RAB).

We will also take some time this evening to recognize our 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.

It is also my pleasure to thank the many people and organizations that make the Awards Banquet possible. First, the companies that have sponsored tonight's Banquet - their generous support is greatly appreciated. In addition, we thank the many nominators, endorsers, and volunteers who have taken time from their busy schedules to support the awards efforts, especially the Awards Nominating Committee who select and champion the Awardees, and the Awards Banquet Committee which has been working for the last six months planning and implementing tonight's event.

I would like to call your attention to two important events for the Long Island Section. We are celebrating the 10th Anniversary of the Long Island Systems, Applications and Technology Conference (LISAT2014) on Friday, May 2, 2014 at Farmingdale State College. More details can be found on page 19.

The second event is the upcoming dedication ceremony commemorating the 85th Anniversary of the 'First Blind Takeoff, Flight and Landing' IEEE Milestone, scheduled for Wednesday September 24, 2014 at the Cradle of Aviation Museum, in Garden City. There is a two page article on pages 21-22 describing how Lt. James Doolittle became the first pilot to take off, fly and land an airplane using instruments alone.

We would like to thank you, our attendees, for paying tribute to tonight's honorees with your presence and good wishes.

*John. G. Schmidt
Chairman IEEE Long Island Section*

Thursday March 20, 2014

Fox Hollow Inn, Woodbury NY

IEEE LI Section Chairman, John G. Schmidt, Master of Ceremonies

AGENDA

5:30 - 7:00 PM Guest Arrival, Hors d'oeuvres

7:00 - 7:10 PM Call to Order, Welcome

7:10 - 7:30 PM Keynote Address:

Russell M. Artzt, CA Technologies
"The 'Start-Up' Community "

7:30 - 7:45 PM Volunteer Recognition Awards

7:45 - 8:00 PM Long Island Section Awards

Alex Gruenwald Award.....	Howard Hausman
Athanasios Papoulis Award.....	S. Jane Carolyn Fritz
Charles Hirsch Award.....	Matthew P. Vaccaro
Friend of the Long Island Section Award.....	Northrop Grumman Aerospace Systems
Harold Wheeler Award.....	Kenneth J. Henrich
Lifetime Achievement Award.....	Velio Marsocci
Outstanding Student Branch Award.....	Eta Kappa Nu Chapter of SUNY Stony Brook
Outstanding Volunteer of the Year Award.....	Victor G. Zourides
Outstanding Young Engineer Award.....	Emre Salman

8:00 - 9:00 PM Dinner

9:00 - 9:20 PM Region 1 Awards

Managerial Excellence in an Engineering Organization.....	Paul DiBella
Technological Innovation (Industry or Government).....	John Gunther
Technological Innovation (Academic).....	Milutin Stanacevic
Managerial Excellence in an Engineering Organization.....	Thomas Volz
Managerial Excellence in an Engineering Organization.....	David Wasserman

9:20 - 9:30 IEEE Educational Activities Award

IEEE Educational Activities Board Pre-University Educator AwardIsrael Malinowitzer

9:30 - 9:35 Closing Remarks





Keynote Speaker

Russell M. Artzt

The 'Start-Up' Community

Russell M. Artzt is the Vice Chairman and founder of CA Technologies. Russ has more than 30 years of IT industry experience as a technology leader, consultant and executive. In addition, he provides counsel in the areas of strategic partnerships, product development leadership, community and public affairs, and corporate strategy.

Russ co-founded CA Technologies (formerly CA) in 1976 and wrote the code for some of the company's first products. Throughout much of his career at CA Technologies, Russ served as Executive Vice President of Research and Development where he was instrumental in building the R&D, and field services organizations.

Prior to his current position, Russ served as Executive Vice President of products, managing all product business units at CA Technologies, with particular focus on the integration of the company's industry-leading management software portfolio.

Earlier, he led CA Technologies security brand, overseeing all aspects of the company's award-winning security product line. Russ also ran the storage product line, successfully spearheading an organizational model that unified development, support and marketing within a brand unit.

Russ is a recognized expert in software development and project management. Russ serves as the Chairperson of the Advisory Board of Stony Brook University's Center of Excellence for Wireless and Information Technology (CEWIT) and is also a member of the Board of Directors for the Advanced Energy Research Group. In March 2008, Russ was inducted into the Long Island Technology Hall of Fame.

Russ is also active with many charitable organizations. He is the founder/sponsor of a research group at Mount Sinai Hospital involved in researching cures for liver diseases, is a major sponsor of the Juvenile Diabetes organization and is a major supporter of North Shore University Hospital. In addition, he is a member of the Queens College Foundation Board of Trustees.

Russ received a Bachelor's degree in Mathematics from Queens College and a Master's degree in Computer Science from New York University.

SECTION OFFICERS

CHAIR: John Schmidt, Product Support Solutions
1st VICE CHAIR: John Vodopia
2nd VICE CHAIR: M. Nazrul Islam, Farmingdale State College
TREASURER: Metodi Filipov
SECRETARY: Lou D'Onofrio
JUNIOR PAST CHAIR: Thomas Lanzisero, UL
SENIOR PAST CHAIR: Susan Frank, PhD, CSDP

EX OFFICIO OFFICERS

Region 1 Director: Vince Socci
Southern Area Chair: Robert Pellegrino
METSAC Chair: Krishna Raghunandan

SOCIETY CHAPTER CHAIRS

Aerospace & Electronics Systems: Dave Mesecher, Northrop Grumman
Antennas and Propagation: Bryan Tropper, Exelis
Communications: Lawrence Hausman, MITEQ Vice Chair: Arnold Stillman
Computer: Metodi Filipov
Electromagnetic Compatibility: Sandy Mazzola, BAE Systems Vice Chair: Robert DeLisi, UL
Engineering in Medicine and Biology: John Vodopia
Instrumentation & Measurement: Terry Stratoudakis, ALE Vice Chair: Ephraim Adeola, Aeroflex
Microwave Theory & Techniques: Saikumar Padmanabhan, Frequency Electronics
Vice Chair: Eric Darvin, L-3 Communications
Nuclear & Plasma Sciences: Shaorui Li, Brookhaven National Labs Vice Chair: Graham Smith
Photonics: M. Nazrul Islam, Farmingdale State College
Vice Chair: Adam Filios, Farmingdale State College
Power and Energy/IA: Lou D'Onofrio, Vice Chair: Rob Schmid
Power Electronics: James Colotti, Telephonics, Vice Chair: Alberto de Leon
Product Safety Engineering: Jim Colotti, Telephonics, Vice Chair: Glen Luchen, UL
Signal Processing: Garry Gu, Telephonics
Society on Social Implications of Technology: Victor Zourides
Technology Management Council: Brian Quinn, Verizon, Vice Chair: Bhuvan Pasham

ACTIVITY AND AFFINITY CHAIRS

Awards Committee: Jesse Taub, Consultant
Consultants Network of Long Island: Andrew Baxt Vice Chair: Murray Kleiner
Educational Activities: Marjaneh Issapour, Farmingdale State College
Employment Assistance Committee: Charles Pleckaitis, Mary Rothberg
Young Professionals (formerly GOLD): Adam Chalson, Telephonics; VC: Rob Schmid
Historian: Jesse Taub, Roderic V. Lowman
Historical Milestones Committee: "First Blind Flight" - Mort Hans
"Nikola Tesla's Wardenclyffe Lab" - Victor Zourides
Legal Affairs Committee: John Vodopia; Vice Chair: Steven Rubin;
Life Member Affinity Group: Victor Zourides, Vice Chair: William Wilkes
LIMSAT: Frederick Kruger, Kruger Associates Inc.
LISAT Conference: Charles Rubenstein, Pratt Institute Co-Chair: Dan Rogers, Telephonics
Membership Development: Nikolaos Golas, Vice Chair: Sandy Mazzola
PACE: Nikolaos Golas, Vice Chair: Ahmad Haque
Professional Society & Industry Liaison: William Wilkes Vice Chair: Charles Pleckaitis
Public Relations Chair: John Peterson, Peterson Associates
Pulse Newsletter Editor: Nikolaos Golas
Pulse Graphics Design: Anthony Giresi
Student Activities: Neil Ramos, Farmingdale State College Vice Chair: Glenn Luchen, UL
Webmaster: James Colotti, Telephonics Corporation, Asst: John Schmidt, Product Support Solutions
Woman in Engineering: Mihaela Radu, Farmingdale State College Vice Chair: Lyubov Kn-Renselaer

STUDENT BRANCH OFFICERS

Hofstra University: President: Folorunsho Atanda, Vice President: Yuki Yamashita
Farmingdale State College: President: Nicholas Schneider, Vice President: Jake Mastrangelo
New York Institute of Technology: President: Richard E. Mortimore III, V.P. Nicholas Corso-Passaro

SECTION OFFICERS

CHAIR: Thomas Lanzisero, UL
1st VICE CHAIR: John Schmidt, Product Support Solutions
2nd VICE CHAIR: John Vodopia
TREASURER: Metodi Filipov
SECRETARY: M. Nazrul Islam, Farmingdale State College
JUNIOR PAST CHAIR: Susan Frank, PhD, CSDP
SENIOR PAST CHAIR: Nikolaos Golas

SOCIETY CHAPTER CHAIRS

Aerospace & Electronic Systems: Dave Mesecher, Northrop Grumman
Vice Chair: Herb Chin, Northrop Grumman
Antennas and Propagation: Bryan Tropper, Exelis
Circuits and Systems: Kenneth Schneider, Telebyte Vice Chair: Arthur Williams, Telebyte
Communications: Lawrence Hausman, MITEQ
Computer: Metodi Filipov
Electromagnetic Compatibility: Santo Mazzola, BAE Systems Vice Chair: Robert DeLisi, UL
Engineering in Medicine and Biology: John Vodopia
Instrumentation & Measurement: Terry Stratoudakis, ALE Vice Chair: Ephraim Adeola, Aeroflex
Microwave Theory & Techniques: Eric Darwin, L-3 Communications
Vice Chair: Saikumar Padmanabhan, Frequency Electronics
Nuclear & Plasma Sciences: Shaorui Li, Brookhaven National Labs Vice Chair: Graham Smith
Photonics Society: M. Nazrul Islam, Farmingdale State College;
VC: Adam Filios, Farmingdale State College
Power and Energy Society/IA Society: Lou D'Onofrio, Vice Chair: Rob Schmid
Product Safety Engineering Society: Glenn Luchen, UL Vice Chair: Thomas Lanzisero, UL
Signal Processing: Garry Gu, Telephonics
Society on Social Implications of Technology: Victor Zourides Vice Chair: Dan Rogers
Technology Management Council: Brian Quinn, Verizon

ACTIVITY AND AFFINITY CHAIRS

Awards Committee: Jesse Taub, Consultant
Consultants Network of Long Island: Terry Stratoudakis, ALE
Educational Activities: Steve Taranovich, Vice Chair: Uma Balaji
Employment Assistance Committee: Charles Pleckaitis, Mary Rothberg
GOLD Program: Adam Chalson, Telephonics; VC: Rob Schmid
Historian: Jesse Taub, Roderic V. Lowman
Historical Milestones Committee: "First Blind Flight" - Mort Hans
"Nikola Tesla's Wardencllyffe Lab" - Victor Zourides
Legal Affairs Chair: John Vodopia; Vice Chair: Steven Rubin;
Life Member Affinity Group: Robert Blosser
LIMSAT: Frederick Kruger, Kruger Associates Inc.
LISAT Conference: Dan Rogers, Telephonics Corporation Co-Chair: Charles Rubenstein, Pratt Institute
Membership Development: Nikolaos Golas, Vice Chair: Sandy Mazzola
PACE: Nikolaos Golas, Vice Chair: Ahmad Haque
Professional Society & Industry Liaison: Bill Wilkes Vice Chair: Dave Mesecher
Public Relations Chair: John Peterson, Peterson Associates
Pulse Newsletter Editor: Allison Rubin; Associate Editor: Nikolaos Golas
Student Activities: James Voulgarakis; VC: Michael Co, Cox&Co.
Tellers Committee: John Peterson, Peterson Associates
Webmaster: James Colotti, Telephonics Corporation, John Schmidt, Product Support Solutions
Women In Engineering: Uma Balaji, Farmingdale State Vice Chair: Lyubov Kn-Renselaer

STUDENT BRANCH OFFICERS

Stony Brook University: President: Amit Shah; VP: Athena Marneris

EX OFFICIO OFFICERS

Region 1 Director: Peter Eckstein
Southern Area Chair: Robert Pellegrino
METSAC Chair: Nikolaos Golas

TRANSFORMING LIVES — ONE STUDENT AT A TIME



St. Joseph's College

salutes the

Institute of Electrical and Electronics Engineers (IEEE)

on the occasion of its

Annual Awards Banquet

and congratulates

our own

S. Jane Fritz

*Long Island Section Athanasios Papoulis
Outstanding Educator Award*



St. Joseph's College
NEW YORK



www.sjcny.edu

Alex Gruenwald Award



Howard Hausman
MITEQ

For outstanding contributions to enhance the knowledge of the IEEE LI Section members in Satellite Communications and Microwave Theory

Howard Hausman received his BSEE and MSEE degrees from Polytechnic University and is President/CEO of MITEQ, Inc., Hauppauge, NY. MITEQ, Inc., is a microwave engineering company with approximately 400 people. The company designs products for ground based satellite communications systems, space borne microwave systems, Radar systems, Reconnaissance systems, commercial aircraft WiFi systems, and various microwave products for defense electronics.

Howard Hausman directs the four divisions of the corporation, Microwave Electronic Components and Systems, Microwave Amplifiers, Satellite Communication Systems, and Special Projects. Reporting to Mr. Hausman are Corporate Finances, Corporate Services, Quality Assurance, Operations and Marketing.

During his career, Howard Hausman served as Chief Technology Officer, Vice President of Engineering, and other related titles, before being appointed President/CEO of MITEQ, Inc. As an engineer he has designed microwave systems and components for satellite communications, Radar and reconnaissance systems that include receivers, transmitters, and synthesizers.

Mr. Hausman was also an Adjunct Professor at Polytechnic University and Hofstra University where he taught graduate and undergraduate courses in Electronic Engineering and is also a recipient of the 2010 New York University / Polytech Distinguished Alumni Award. He has lectured around the world and authored many papers relating to microwave systems, satellite communications, Radar, and reconnaissance systems. Mr. Hausman also holds a patent titled; "Measuring Satellite Linearity From Earth Using A Low Duty Cycle Pulsed Microwave Signal."

Long Island Section Athanasios Papoulis Outstanding Educator Award



Sister Jane Carolyn Fritz
St. Joseph's College

For development of major programs in STEM (Science, Technology, Engineering and Mathematics) disciplines and constant dedication to the education of disadvantaged groups

S. Jane Fritz is Assistant Professor of Mathematics/Computer Science at St. Joseph's College where she was instrumental in developing the programs in Mathematics and Mathematics/Computer Science and Computer Information Technology. Through her efforts St. Joseph's College received four NSF grants which promote mathematics, science and technology. She is currently the Co-Principal Investigator for the \$1.2 million Noyce Teacher Scholarship grant for students committed to teaching math or science in high need schools. She was the Principal Investigator for the previous NSF S-STEM scholarship grants, which provided academic and financial support to students, particularly women and underrepresented minorities, majoring in one of the disciplines.

Her activities include participation in IEEE, ACM, CSTA, STANYS, NCTM, LISTNet, Connect-To-Tech and the LI STEM HUB. Her most recent project is coordinating the Suffolk Section of Coder Dojo, a collaborative program teaching children from 7 to 17 to design apps and websites and to write computer programs. S. Jane has given presentations for the Long Island Section of the IEEE SSIT, and she was the keynote speaker at the 2013 STEM Diversity Summit at SUNY Farmingdale.

As a member of the Math-In-CS working group, S. Jane presented the initial research, progress and materials developed by the group at the ITiCSE (Innovation and Technology in Computer Science Education) Conference in 2001 and 2002. She is a reviewer for ACM SIGCSE (Special Interest Group in Computer Science Education) Conferences, which address the issues of integrating mathematics and computer science as well as the role of women in these disciplines. She is also a judge for the ACM/Microsoft Student Research Competition.

Her professional service also includes participation in the Science Teachers Association of NY State, where she has served on the Board of Directors, as Director at Large for Colleges and as section President, Vice-President and Secretary. She has presented workshops for teachers at STANYS Conferences and summer programs at SUNY Stony Brook. She has received several awards in appreciation and for her service and was selected as a STANYS Fellow in 1995. Most recently, S. Jane was honored and recognized by IEEE as a Senior Member.



Matt Vaccaro
Charles Hirsch Award

CONGRATULATIONS

2014 IEEE Award Recipients

As a Long Island-based company dedicated to providing cutting-edge radar, surveillance and communications systems technology, Telephonics is honored to support IEEE as it works to advance the field of engineering. We commend all of the 2014 IEEE award recipients, with special recognition to this year's Charles Hirsch Award winner, Telephonics' Matt Vaccaro.

We are an Equal Opportunity Affirmative Action Employer, M/F/D/V



www.telephonics.com

38885



2014 FRIEND OF THE IEEE
LONG ISLAND SECTION

THE VALUE OF COMMEMORATING A HISTORICAL MILESTONE.

Northrop Grumman Aerospace Systems is honored to be the 2014 recipient of the Friend of the IEEE Long Island Section Award. We share this honor with the many Long Island engineers of Aerospace Systems and legacy Grumman Aerospace Corporation who have over the decades volunteered their services to the IEEE and its Long Island Section. We applaud the IEEE for all that it and its members contribute to the profession and to society.



THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

www.northropgrumman.com



©2014 Northrop Grumman Corporation

Charles Hirsch Award



Matthew P. Vaccaro
Telephonics

For the development of complex innovative signal processing field programmable gate array algorithms in RADAR ground moving target indicator systems

Matthew Vaccaro graduated from Grove City College in 2000 with a Bachelor of Science in Electrical Engineering. He joined Telephonics Corporation and spent the first few years of his career working on the IFF Interrogator and IFF Processor for the AN/APS-147 multi-mode radar deployed on the SH-60R helicopter. He then moved onto working on various radar programs. Such systems have included the AN/APS-508 an advanced multi-mode imaging radar system, AN/ZPY-4(V)1 a multi-mode radar targeted for UAVs and commercial multi-mode radars targeted for both fixed and rotary wing platforms. Matthew has been involved in the testing and integrating at both the assembly and system level.

Matthew has since been concentrating on the development of various radar systems. He has made significant contributions in both PC board design and the development of complex DSP algorithms for coherently processing radar data in FPGAs. Some of his designs include digital FIR filters, digital pulse compression, doppler warping and corner turn algorithms.

Matthew continues to work on the development and production of radar systems at Telephonics. He most recently functioned as the hardware lead for RDR-1700A, a commercial multi-mode radar system seeking Federal Aviation Administration (FAA) DO-254 certification. Efforts on this program involved requirements management, PC board design, system integration and managing the DO-254 certification efforts. In addition to his Principal Level design responsibilities, Matt is involved with training the electrical engineering staff on new development tools.

When not at work, Matt enjoys spending time with his wife and raising their two young children. In his spare time he volunteers his time at his church, leading a youth group for Junior High and High School students and participating in a tutoring program for elementary school children. He also is an avid fisherman and vice president of the Farragut Striper Club.

Friend of the IEEE Long Island Section Award

Northrop Grumman Aerospace Systems



For continued support of the IEEE LI Section through financial contributions and donating the time of many Northrop Grumman Long Island Engineers

Northrop Grumman is a leading global security company providing innovative systems, products and solutions in unmanned systems, cyber, C4ISR, and logistics and modernization to government and commercial customers worldwide.

We hold ourselves to a higher standard, both in the products we deliver and in the way we conduct ourselves throughout the entire customer experience. Because, after all, we are in the business of securing a great deal more than just our place in the market.

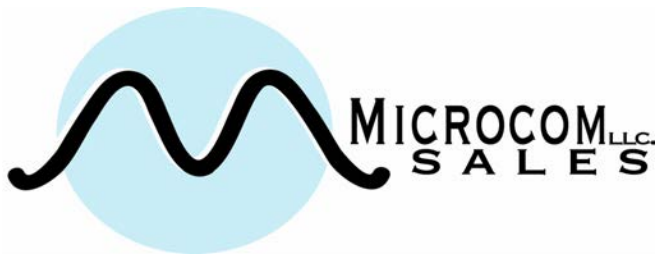
Our mission is to be at the forefront of technology and innovation, delivering superior capability in tandem with maximized cost efficiencies. The security solutions we provide help secure freedoms for our nation as well as those of our allies. Squarely meeting our obligations, fiscally and technologically, isn't just a business goal, but a moral imperative. To that end, as we evolve as a company, the responsibility we feel for our country and the citizens and troops we help support grows with us.

At Northrop Grumman, innovation isn't just an idea, it's a way of life. We are designing unmanned aircraft that can patrol the ground and sea from 12 miles above. We are developing solutions that prevent cyber threats from becoming cyber attacks. We are getting up-close and personal with distant galaxies. We are discovering trends to stay ahead of disease outbreaks.

We are making giant breakthroughs in technology at microscopic sizes. We are taking technological advancement to a higher level. We are proving that, as a company of innovators, we can bring the next generation of technology to life. The value of performance is Northrop Grumman



**The College of Engineering and Applied Sciences
and
The Department of Electrical and Computer Engineering
Congratulates All of the Long Island IEEE Awardees
For Their Many Contributions to the
Electrical Engineering Profession**



Your Source For High-Tech Engineered Solutions

***Congratulations to the
IEEE Long Island Section
and all the Award Winners***

From: Kirit Dixit
201-669-7599 - kdixit@microcomsales.com

www.microcomsales.com

**Congratulations 2014 IEEE
Award Recipients from:**



John F. Vodopia PC

Intellectual Property Law Firm

191 New York Avenue
Huntington, NY 11743

631 673 7555 ext: 128
jvodopia@gmail.com
jvodopia@ieee.org

Specializing in Patents, Trademarks
and related matters.

Harold Wheeler Award



Kenneth J. Henrich
Telephonics

For leadership in achieving worldwide DoD AIMS Certification for an All-Mode IFF Interrogator

Kenneth Henrich graduated from Clarkson University with both B.S. and M.S. degrees in Electrical Engineering. Kenneth is a Senior Electrical Engineer with experience in circuit design through management.

Kenneth's accomplishments began with a custom integrated circuit design for a digitally controlled analog correlator for SAW based matched filters. The design was implemented in bipolar technology and incorporated ECL logic to control a fully differential analog switch. The switch combined taps from the SAW device and summed them in a 300MHz true differential amplifier. Kenneth helped develop and deliver smart antenna technology for the cellular industry. Smart antenna technology improved the signal strength and signal S/N which greatly improving the performance of a cellular base station. Kenneth was a key contributor in the rapid development of the prototype which won the contract.

He then managed and led the design of the product culminating in the delivery of the first systems. Kenneth managed the installation and commissioning of these sites. Kenneth has worked in the RADAR industry as an Engineering Manager and later a Systems engineer. As the Engineering Manager of the LAMPS program, Kenneth improved performance of the equipment through design changes. Other improvements were gained by demanding that the suppliers provide compliant equipment.

Kenneth moved from the LAMPS program and worked on IFF systems. It was in the IFF group that Kenneth managed a group of engineers to develop test procedures and execute same to achieve Department of Defense AIMS (Air Traffic Control Radar Beacon System Identification Friend of Foe, Mark XII/XIIA System) certification of several IFF systems, including an all mode system. These certifications provided customers with assurance of a quality product and a significant market advantage for the company. Kenneth holds several patents and has co-authored a paper on SFSK modulation.

Kenneth knew Harold Wheeler personally and had introduced him to personal computing using the BASIC language. Receiving this award is that much more meaningful for Kenneth.

Lifetime Achievement Award



Velio Marsocci
SUNY Stony Brook

For distinguished contributions to engineering education and a lifetime dedication to IEEE activities

Velio A. Marsocci was appointed to the faculty in the E.E. Dept. at Stony Brook U. in 1965 and where since, his retirement in 2000, he presently holds the title of Distinguished Service Professor Emeritus. He earned his B.E.E. (1953), M.E.E. (1955), and Eng.Sc.D. (1964) degrees all from the school of engineering at NYU.

Prior to coming to Stony Brook he held faculty appointments in the EE departments at NYU and at Stevens Institute of Technology. At Stony Brook University he also served as Chair of the E.E. Dept. and as Associate Dean of the College of Engineering & Applied Sciences.

He has also been employed as an electronics consultant and to present in-house courses in electronic devices and circuits by industrial organizations.

He has been an active member of the IEEE (including years during its prior title IRE-AIEE) for 60 years, beginning as a student member and moving up through the membership levels to his present level as Life Member. During these years he served on many subcommittees of the IEEE. Most of this activity was under the aegis of the IEEE LI Section where he was member of the Section's Executive Committee wherein he served as chair of several committees and also served as a member of the committee's officer positions including Section Chair. Velio was also an active Faculty Advisor for the IEEE Student Branch at Stony Brook for almost all of his approximately 50 years at that institution.

Velio has received awards from several academic and professional groups including a full-time "NSF Science Faculty Fellow" (1962-63), "1985 Engineer of the Year" from the Suffolk County Chapter of NYS Society of Professional Engineers, "Outstanding Zone 1 Campus Representative Award" from the American Society of Engineering Education, and "1993 Award of Honor for Excellence in Teaching" by election of the graduating engineering students at Stony Brook.

He is a recipient of a "IEEE Region 1 Award" and a "IEEE Third Millennium Medal 2000". He was appointed as Distinguished Service Professor by the SUNY Board of Trustees in 1994.

ATM

Advanced Technical Marketing
is Proud to Support the
Accomplishments and
Contributions to the Engineering
Profession of the

2014 IEEE Long Island Section Award Recipients

Contact: Gil Lipper
gil.lipper@atm1.com
516-319-1338
www.atm1.com



Congratulations to the 2014



Long Island Section Award Recipients

From Superior Technical Solutions Corp.
Manufacturers' Representative
providing a broad range of
Electrical, Electromechanical & RF Solutions



800.398.3498

www.superior-tek.com

Narda Microwave Congratulates All 2014 IEEE Long Island Award Recipients

Custom IMA Solutions for EW, Satcom, Radar and Communications

- High Dynamic Range Front End Assemblies
- Up and Down Converter Modules
- Arbitrary Waveform Generators
- Solid State Power Amplifiers
- Low Noise Amplifiers
- Switched Filter Banks
- Synthesized Frequency Sources
- Compact RF Subsystems



Ka-Band BUC/BDC
With 16W SSPA



Celebrating 60 Years of Global Leadership and
Innovation in the RF and Microwave Industry.

narda

an company

www.nardamicrowave.com • 631.231.1700

Six decades of technological innovation.

Congratulations from Agilent

*The company that provides the best products
along with the most insight so you can tackle
your toughest engineering challenges.*



Find out more about these products at
www.agilent.com

AGILENT'S ELECTRONIC MEASUREMENT GROUP
IS BECOMING KEYSIGHT TECHNOLOGIES.



U.S. 1-800-829-4444 Canada 1-877-894-4414

Agilent Technologies

© Agilent Technologies, Inc. 2014

Outstanding Student Branch Award



Eta Kappa Nu Chapter of SUNY Stony Brook

For the unprecedented and significant effort to foster a sense of community in electrical engineering among their members and beyond

The Eta Kappa Nu Chapter of SUNY Stony Brook continuously strives to improve the academic, social and professional standing of our members. Each semester they host several course review sessions for students in their department in courses which they find difficult. These review sessions not only help the students taking the classes, but also the Chapter members who volunteer to host them, as they must also re-learn the material and become experts in the subject they volunteer to teach.

The Chapter also hosts student-professor mixers with the IEEE-SBU chapter. The purpose of this event is to aid student professional development by allowing electrical and computer engineering students to cordially talk to their professors about various topics. These topics may include the professor's research and advice on academia and industry.

Socially, the Chapter builds strong bonds between their Chapter members as they hold exciting events for them to interact. From game nights in the lab to going to the local bowling alley, laser tag, and hoodie design contest, these events are fundamental in letting our members network with each other and building a sense of HKN pride.

Professional development is very crucial for HKN student members. In order to help Chapter members in this aspect, HKN organized several company tours to show their members what working in industry is like. They have toured Brookhaven National Laboratory, Bren-Tronics, and Data Device Corporation. For students who are not immediately interested in joining industry, the Chapter hold professor research panels to give students an insight to academic life.

The HKN Chapter also leads professional development workshops where students can have their resume reviewed and participate in mock-interviews with industrial professionals. Collaborating with other engineering societies, HKN has a Company Corporate Breakfast Mixer every semester. This event allows students to have an opportunity to talk to company representatives in a relaxing environment. HKN also participated in the annual IEEE R1 Student Conference to promote IEEE-HKN student chapters.

Outstanding Young Engineer Award



Emre Salman SUNY Stony Brook

For distinguished contributions to engineering education and a lifetime dedication to IEEE activities

Emre received the B.S. degree in Microelectronics Engineering from Sabanci University, Istanbul, Turkey, in 2004, and the M.S. and Ph.D. degrees in Electrical Engineering from the University of Rochester, New York, in 2006 and 2009 respectively. Since 2010, he has been an Assistant Professor with the Department of Electrical and Computer Engineering, Stony Brook University, New York, where he is the founding director of the Nanoscale Circuits and Systems (NanoCAS) Laboratory.

His broad research interests include analysis, modeling, and design methodologies for high performance and low power integrated circuits with emphasis on energy efficiency and robustness in both 2-D and 3-D CMOS technologies. Prior to his current position he worked at STMicroelectronics, Synopsys, Freescale Semiconductor as a graduate intern achieving successful technology transfer from academy to industry.

He received a National Science Foundation CAREER Award in 2013 for his research in developing design methodologies for heterogeneous 3-D integrated circuits. He was awarded a research contract, also in 2013, by the Semiconductor Research Corporation (SRC) to develop low power clocking methodologies for next generation integrated circuits with application to embedded/mobile systems.

He is the leading author of a comprehensive tutorial book titled: "High Performance Integrated Circuit Design" (McGraw-Hill, 2012) which was adopted as a textbook at multiple U.S. Universities. He holds two U.S. patents and has published more than 35 papers in journals and refereed conferences.

Emre currently serves as the U.S. Regional Editor for the Journal of Circuits, Systems and Computers. He also serves on the editorial boards of the IEEE Transactions on Very Large Scale Integration (VLSI) Systems and Journal of Low Power Electronics and Applications. He is a member of the technical program committee of a number of IEEE and ACM conferences. Emre is an IEEE member since 2002



UL CONGRATULATES THE 2014 IEEE AWARD RECIPIENTS

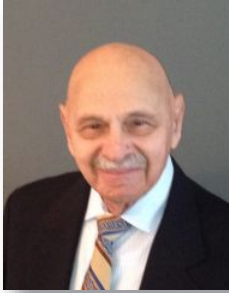
In an ever-changing world of products and technology UL will always equal safety. As the complexity of products grows, UL is responding by developing and testing to new standards that address the ways that today's products work, including testing safety, performance and sustainability. And with UL's broad range of services, including global market access, you can more efficiently access key markets around the world. That's why for more than 116 years, manufacturers have partnered with UL and trusted our vast technical expertise to test, verify and inspect products before they arrive in the market. So with UL, no matter where you go in the world, you can be confident that you're working with standard in safety.

VISIT WWW.UL.COM TO LEARN MORE.



UL and the UL logo are trademarks of UL LLC © 2013

Outstanding Volunteer of the Year Award



Victor G. Zourides

For establishing a Long Island Chapter of the IEEE Society on Social Implications of Technology and his passion for educating the youth and the professional engineer

Victor received the Bachelor of Science (Physics) from Brooklyn Polytechnic Institute (BPI) and Master of Electrical Engineering from New York University (NYU) both now NYU-POLY. He is a New York State Licensed Professional Engineer (retired). He started his career at Sperry Gyroscope Company upon graduation from BPI. His career at Sperry spanned designing every type of electronic circuit, designing and integrating Automated Test Equipment (ATE) with the B-58, Hustler program and work with Pulse Compression (PC), which included detecting signals within PC side lobes. The PC detection effort was within Bill Rubin's and Jules DiFranco's department. Both are Long Island IEEE Fellows and authors of the classic book Radar Detection.

Upon leaving Sperry, the remainder of his engineering career was with Grumman Aerospace Corp., in various supervisory and managerial positions. This included ATE for the F-14 Program (of Top Gun fame). His career culminated in managing a team of engineers tasked to integrate Artificial Intelligence (AI) techniques with Built-In Test (BIT) to detect false alarms. For this effort he wrote and won Best Paper Award at the Autotestcon 1989 Conference.

Victor's IEEE Long Island Section activities have included Long Island Section Chairman in 1977, Region 1 Director from 1988-1989 and many committees and functions. He is the recipient of a Region 1 Award, IEEE-USA Award and the Centennial Award. From his earliest participation in IEEE affairs his passion has been Professional Activities. These activities directed toward the betterment of the engineer's environment as well as technical skills and contributions. His efforts, as well as others particularly in the Long Island Section contributed to the IEEE changing from a purely technical society to a professional society involved in our profession's impact on the individual and the world.

Victor established the Long Island Chapter of the Society on Social Implications of Technology (SSIT) in March 2010. SSIT is deeply concerned with how technology impacts the world and how the application of technology can improve the world. The Long Island SSIT efforts have been principally involved with STEM (Science, Technology, Engineering, Mathematics). Meetings of SSIT are bringing together interested and active participants in STEM with the goal of involving IEEE and educators to reach our students to the meaning of engineering, its contributions, benefits and experiences.

Just prior to the establishment of SSIT, he and several Long Island Section colleagues presented a forum on "Outsourcing" which involved bringing together outsourcing experts to raise awareness to our community's and nation's concerns with the impact of outsourcing and its consequences.

In addition, he is very active in re-establishing the IEEE Ethics Hot Line which ran smoothly for one year in 1996-1997 and was cancelled by IEEE headquarters for fear of legal complications.



IEEE

LISAT2014

*Advancing Technology
for Humanity*

CONGRATULATIONS TO ALL AWARDEES

FARMINGDALE STATE COLLEGE

PROUD SPONSOR OF THE

2014 IEEE LONG ISLAND SECTION

AWARDS BANQUET

Since 2005, the College has partnered with the IEEE Long Island Section to promote excellence in professional development activities and LISAT Conferences provided by the Section for members of the engineering and scientific community throughout the Long Island and metropolitan regions.

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.

farmingdale.edu

**Farmingdale
State College**

State University of New York

Managerial Excellence in an Engineering Organization



Paul DiBella
Parker Hannifin

For contributions to business development and technology advancement of high-end, complex aerospace systems

Paul has over 30 years Aerospace industry experience, all on Long Island, with the last 25 years being at Parker Hannifin's Fluid Systems Division. Paul worked at both Hazeltine Corporation and Grumman Electronics Systems prior to joining Parker. Throughout his career he has and continues to be recognized as a world-class expert in aerospace fuel measurement and management systems, and a subject matter expert in several areas of Parker's innovative technologies. Paul's experience has been in design engineering, project/program management and engineering management positions.

As a design engineer he worked on a Remote Monitoring System primarily used by Power Utilities and a Power Monitoring System used on the E-2C aircraft. He then began designing fuel measurement and management systems for the McDonnell Douglas MD-11, MD-90 and MD-95 aircraft as well as flight surface controllers for the Embraer 145.

Paul is currently the Hardware Engineering Team Leader for the Advanced Technology Group in Parker Aerospace Fluid Systems Division. In this position he leads, manages, and provides technical direction to a team of approximately twenty five electrical engineers, mechanical engineers, designers, and technicians across three sites.

Paul has led the design and development of state of the art fuel measurement and management systems for most modern commercial and business aircraft including the Airbus A340, A380, A350, the Bombardier C-Series, the Learjet 85, the Embraer Legacy 550 and the Gulfstream G650. These systems meet the most demanding regulations for fuel tank safety driven by the TWA Flight 800 incident.

Paul earned a Bachelor's degree in Electrical Engineering from Rensselaer Polytechnic Institute, a master's degree in Electrical Engineering from Polytechnic University, and is a certified Project Management Professional. Paul and his wife Rosanne have two children currently attending college. They enjoy golfing, biking and skiing, as well as taking family vacations.

Technological Innovation Award



John Gunther
Exelis

For significant technical contributions to the development of low-noise amplifiers and receivers for military and space programs

John received the BSEE degree from Polytechnic Institute of New York in 1977. Following graduation John joined AIL Systems, Inc., now Exelis as a microwave engineer.

The majority of his experience has been with the design and development of a broad range of RF and microwave low noise amplifiers and receiver components. These low noise designs had narrow, octave or multi-octave bandwidths and were for high reliability platforms. He has designed Phase Shifters, both ferrite loaded waveguide designs as well as active analog and digital controlled designs.

John was the lead RF Engineer for the design of an X-Band Receive/Transmit module that had an Electronic Warfare (EW) application and recently he was the lead design engineer for the 10, 18 and 23 GHz receivers that are on NASA's Global Precipitation Measurement Microwave Imager (GPM) platform. These receivers are direct detect and are three of the seven receiver bands that make up the radiometer.

Early in his career he joined the engineering team that designed, qualified and delivered the first S-Band Preamplifier assembly for the Space Shuttle.

As part of an OC-192 application for an undersea Telecommunication system he designed a dual Frequency saturating band-limited amplifier and a clock amplifier assembly.

John served in the U.S. Army from 1968 thru 1971, finished a Microwave Systems Repair course at Fort Monmouth, N.J. and a 12 month deployment to Vietnam. John retired from Exelis after 35 years holding the position of Principal Analog/RF Engineer in the Micro Electronic/RF Engineering Group. John is a member of the IEEE Microwave Theory and Techniques (MTT) Society and is an IEEE Life Member.



Affiliated with the IEEE

Your source for electrical,
electronic, mechanical and software consulting engineers

PO Box 411
Malverne NY 11565-0411

<http://licn.org>

(516) 379-1678

Be sure to visit our blog at:

http://licn.typepad.com/my_weblog/

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

From Microwave and RF Components...

- Amplifiers • Mixers • Multipliers
- Frequency Generation Products
- Microwave Control Products
- Integrated Assemblies
- RF over Fiber Products
- Passive Power Components
- IF Signal Processing Components



...to Satellite Communication Systems!

- Up- and Downconverters • 1:1 and 1:2 Amplifier Systems
- Redundancy Switchover Systems • RF over Fiber Optic Links
- Amplitude/Slope Equalizers • LNA Assemblies
- Test Translators • Uplink Power Controllers



AS9100/ISO9001 Certified



100 Davids Drive, Hauppauge, NY 11788 • (631) 436-7400 FAX: (631) 436-7430 • www.miteq.com

In Business Since 1969

Technological Innovation Award



Milutin Stanacevic
SUNY Stony Brook

For contributions to the design of sensory signal processing circuits and systems

Milutin Stanacevic received his BS degree in Electrical Engineering from the University of Belgrade in Belgrade, Serbia in 1999, and his MS and Ph.D. degrees in Electrical and Computer Engineering from Johns Hopkins University in Baltimore, MD in 2001 and 2005, respectively. In 2005, he joined the faculty of the Department of Electrical and Computer Engineering, Stony Brook University in Stony Brook, NY, where he is currently an Associate Professor.

His research interests include the mixed-signal VLSI circuits, systems, and algorithms for parallel multi-channel sensory information processing with emphasis on real-time acoustic source localization and separation, micropower biomedical instrumentation and readout ICs for radiation detection.

His contributions include the design of the algorithms and microsystems for the task of blind source separation and localization of acoustic travelling waves that impinge the sensor arrays with dimensions much smaller than the wavelength that advanced the theory and performance of the acoustic source separations systems. His proposed sensing readout circuitry that interfaces a nanosensor for the selective detection of ppb levels of ammonia in breath-simulating environments enabled the design of the first personalized breath-analyzer system.

Dr. Stanacevic has also made significant contributions in the design of implantable devices, especially in the design of small-current measuring systems for distributed neurochemical sensing and telemetry, and readout integrated circuits for radiation detection, with emphasis on the systems interfacing sensors with a large parasitic capacitance.

Dr. Stanacevic is a recipient of a National Science Foundation Career Award. He is an Associate Editor of the IEEE Transactions on Biomedical Circuits and Systems and serves on several technical committees of the IEEE Circuits and Systems Society.

Managerial Excellence in an Engineering Organization



Thomas Volz
Exelis

For contributions to program management excellence in the areas of space and high reliability systems

Tom Volz received his BSEE degree in 1973 from the City College of New York and his MSEE at the Polytechnic Institute of New York in June 1978. He has been a member of IEEE since 1972.

Tom joined AIL as a Design Engineer in 1973. He remained there through six corporate name changes before retiring from Exelis in April 2013 with the title of Engineering Programs Manager.

He was the Program Manager for a receiver subsystem suite for NASA's Global Precipitation Measurement (GPM) program. The subsystem included receivers covering 10 GHz to 183 GHz in 7 discrete bands and support electronics. He was responsible for engineering design and development, assembly and test, as well as cost and schedule performance and customer interface.

Prior program management responsibilities and tasks included the development and initial production phases of a V band high power amplifier for the F-22, and a Special Programs high reliability state-of-the-art RF system.

Tom has held various positions including Special Programs Manager to the BI-B Spares Diminishing Manufacturing Sources (DMS) Program, Chief Engineer of AIL's Space and Communication Products Division, manager of AIL's RF Engineering department, manager of AIL's Advanced Integrated Components Department, and engineering manager of AN/ALQ-99 electronic jamming suite for the U.S. Navy's EA-6B Prowler aircraft.

In earlier assignments he has had the responsibility for technical development and project management of designs involving miniaturization through the use of hybrid MIC components in the areas of system and component.

In his first years at AILSystems as a design engineer, Mr. Volz was primarily concerned with the design, construction, and testing of hybrid microwave integrated circuitry.



IEEE LISAT2014

**10th Anniversary Long
Island Systems,
Applications, and
Technology Conference**

FRIDAY, MAY 2, 2014
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

Preliminary Program. See LISAT website for latest updates: www.ieee.li/lisat

SYSTEMS

- Group Signature Entanglement in E-voting Systems
- An Emergency Information Sharing (EIS) Framework for Effective Shared Situational Awareness (SSA)
- Biometric Authentications for Older Adults and the Disabled
- Use of Adaptive Estimation to Evaluate Sensor Reading Anomalies in Wireless Sensor Networks
- AndroRC: An Autonomous Android Remote Controlled Car
- On the Security and Privacy for e-Health in the Internet of Things
- Enhanced Combined Eye Gaze Direction Classification and Head Flexion Detection System
- Efficient Sleep Stage Classification Based on EEG Signals
- 60GHz Patch Antenna Array on Low Cost Liquid-Crystal Polymer (LCP) Substrate
- Investigation of Energy Efficient Cluster Based Routing Protocol for Wireless Sensor Network Using Dynamic Nodes with the Comparison of Static Nodes
- Time and Frequency Synchronization for OFDM-Based Cooperative Systems
- Reducing Software Assurance Risks for Security- and Safety-Critical Systems
- A Reliable and Fast Real-Time Hardware Engine for Text Steganography
- A Systematic Review of Proactive Health Management and Empowerment for Senior Citizens
- Educational Effects of Telehealth Implementation on Older Adults with Socio-Economic Disparities
- Multitasking Home Security System

APPLICATIONS

- Field Trial Results for a Wi-Fi based Spectrum Sharing Technology in TVWS
- Use of Bloom Filter to Convey Surveillance Target IDs to Femtocells
- Reliability and Fault Tolerance Analysis of FPGA Platforms
- Teaching Electromagnetic Compatibility to Engineering Technology Students
- Investigating the Reliability of Positive User Identification Based on Multiple Slap Fingerprint Images
- Automated Skin Lesion Analysis Based on Color and Shape Geometry Feature Set for Melanoma Early Detection and Prevention
- A New CAZAC-Based Preamble for OFDM Systems
- Benefits of Music Therapy & Telehealth Technology
- Gerontechnology Companion
- Utilizing Telehealth Technology across different Socio-Economic Communities
- Wavelength Selective Surface Plasmons Enhanced Infrared Photodetectors
- A Highly Secure Video Steganography using Hamming Code (7, 4)
- Resource Allocation Schemes for D2D Communications
- Extracting and Modeling Privacy Requirements from HIPAA for Healthcare
- ALIVE INSIDE: Developing Mobile Apps for the Cognitively Impaired
- Low Power Embedded Controlled Sensor Network for Agricultural Applications

TECHNOLOGY

- Secret Key Sharing Using Entanglement Swapping and Remote Preparation of Quantum State
- Fast Real Hardware Engine for Multipoint Text Steganography
- A New Hardware Quantum-based Encryption Algorithm
- A Novel Secure Quantum Key Distribution Algorithm
- Further Developing Torsion Fields Communication Technology, Physical Aspect
- First One-Probe Method and Instruments for Instant In-Circuit Measurement of Quality of Capacitors
- Physical Base of the Method- Infinitely Remote Point Conception
- Non-mechanical Beam Steering with a Dynamic Lithography of Tunable Metasurface
- Quantum Security Using Property of a Quantum Wave Function
- Anatomical Feature-Guided Volumetric Registration of Multimodal Prostate MRI
- Shape Guided 3D Active Contour Model for Automatic and Accurate MRI Prostate Segmentation
- New Algorithm to Enhance Radio Wave Propagation Strength in Dead Spots for Cellular Mobile WiFi Downloads Using Cloud Networks
- Carrier Grade Wi-Fi: Air Interface Requirements and Technologies
- Classifiers Comparison for a New Eye Gaze Direction Classification System
- Pace University Telehealth Research
- Battery Powered or Controlled Combustion Heated Suit

INDEPENDENT SIX-HOUR CEU/PDH TRACK

“Power/Energy/Industrials”

0.2 CEU (2 PDH) credits available for each of 3 topics in this track. Pick and choose the topics of your interest. See the LISAT website for more details: www.ieee.li/lisat

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

Four lectures on practical applications of tools and equipment. Go to www.ieee.li/lisat for details

REGISTRATION AND OTHER INFO AT LISAT WEBSITE:
www.ieee.li/lisat

Managerial Excellence in an Engineering Organization



David Wasserman
BAE Systems

For managerial leadership in the development, implementation and production of IFF Interrogator systems

David Wasserman joined BAE Systems, formerly GEC Marconi-Hazeltine, in 1997 as a Member of the Technical Staff. At BAE Systems, Mr. Wasserman has worked on various IR&D programs along with design and development programs with increasing management responsibility in the Identification Friend or Foe (IFF) interrogator product line.

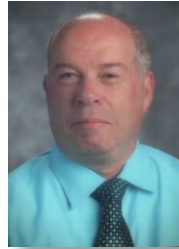
For the past five years, he has served as the lead Program Engineering Manager and Product Technical Lead for IFF Interrogator products. He has responsibility for technical, cost, and schedule performance on multiple domestic and international IFF interrogator programs reporting to senior management.

He is experienced in Earned Value Management Systems and Cost Account Management. He interfaces with all functional engineering disciplines (Systems, Electrical, Software, Mechanical, Reliability & Maintainability, Design and Drafting, and Test) as well as Manufacturing Engineering, Operations Management, Procurement, Contracts, Subcontracts, Finance, and Master Planning personnel across multiple BAE Systems sites. David is the primary technical point of contact for numerous customers. In addition, he supports new business development, technical marketing inquiries, and new bid and proposal activities for the product line.

He began his career at Eaton Corporation; AIL Systems Division in 1982 working on a variety of projects involving design, development, and test of complex high speed digital circuitry. During his time at AIL Systems, he advanced to the position of Staff Engineer, where he was the design lead for various FPGA, ASIC, and IR&D activities. He supported other initiatives including integrated product development, process improvement, total quality management, and performance benchmarking.

David received his Bachelor of Engineering degree in Electrical Engineering from Stony Brook University in 1982 and his Master of Business Administration degree with distinction in Management from Hofstra University in 1994.

IEEE Educational Activities Board Pre-University Educator Award



Israel Malinowitzer
East Islip High School

For creating and promoting the development of high school career academies that prepare students for today's technology-focused industries

Israel Malinowitzer received his BBA Degree in Business and Marketing from the Bernard M. Baruch College, NY, in 1977; his MS Degree in Early Education from Dowling College in 1990 and the School District Administrative Diploma in 2001 from Dowling College, in Oakdale, NY. He became the Public Relations Director for the East Islip School District in 2000. Since 2001, he has been Director of Careers and Student Services and Director of Business, Technology, Family Consumers Science and Guidance Department at East Islip School District. In 2008, he created and promoted the first High School Environment Green Academy. He later became Coordinator and Supervisor of the Career Academy Programs; currently three at East Islip High School.

Since 2012, he has been showcasing and teaching other school districts how to create their own Career Academy and Virtual Enterprise Programs. Both have been highly recognized for their "Out of the Box" approach to education, providing students with the knowledge and skills required to be able to compete in the global market.

In 2012, the Virtual Enterprise International Business Career Academy received the Career Technical Education (CTE) Endorsement from the New York State Education Department. Students who complete the program and pass the NYS Approved Assessment Career Exam receive the NYS CTE Endorsement Seal on their Diploma. East Islip School District is one of just a small handful of High Schools on Long Island and New York State that have been recognized for their Career Academy Programs.

To help support these programs, Mr. Malinowitzer has enlisted the enthusiastic support of Verizon, Ford Motor Company, GE Aviation, National Grid, the Long Island Jewish Hospital System, and the U.S. Military.

Typical of his many activities that extend beyond normal school hours, Mr. Malinowitzer accompanied several Academy students to the International Trade Fair, sponsored by the Virtual Enterprise Organization and run by the New York City Board of Education. He has run the Career Academy Programs and Education at several venues, including the IEEE Long Island Section.

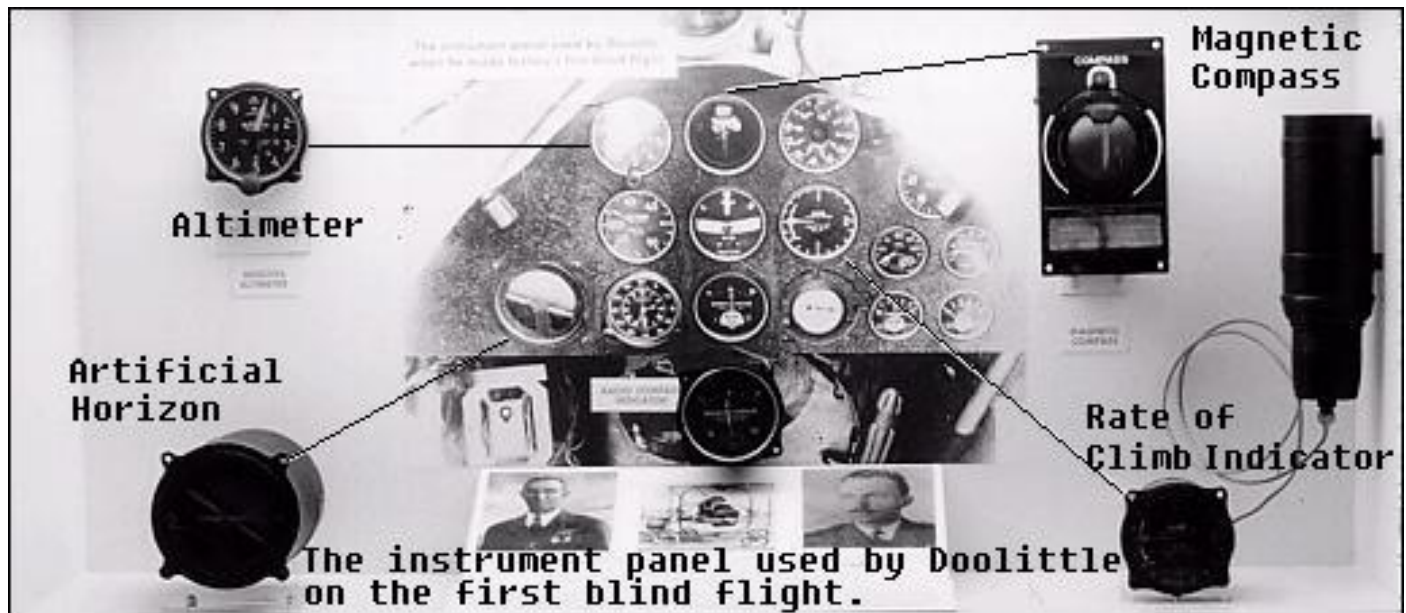
First Blind Takeoff, Flight and Landing, 1929

A Joint IEEE-AIAA Milestone

by Mort Hans, First Blind Flight Committee Chair, Nikolaos Golas, Region 1 Historian & Milestone Coordinator

After World War I the role of aviation expanded from primarily the military to commercial enterprises with mail, cargo and passenger flights. Weather and visibility could disrupt regular flights which were required for the new aviation industry to be commercially successful and for the Post Office to establish overnight delivery schedules.

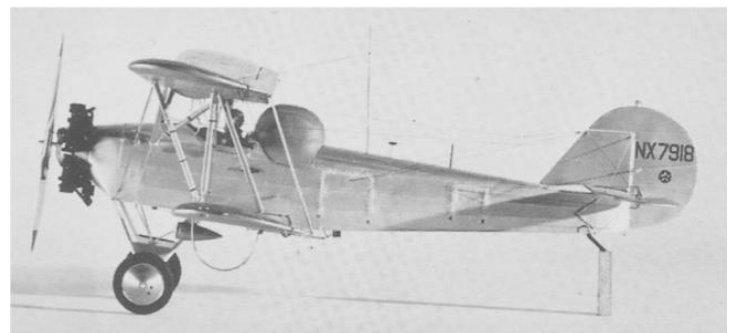
At the beginning of the 1920s, the aviation instruments which were primarily mechanical, could provide altitude, attitude, direction and air speed information, but not an aircraft's spatial position, which was crucial during landing. Instruments and navigation aids were needed which would allow an aircraft to be flown on a course in fog, in any condition of visibility or no visibility.



The NY-2 Husky Aircraft Cockpit Instrument Panel

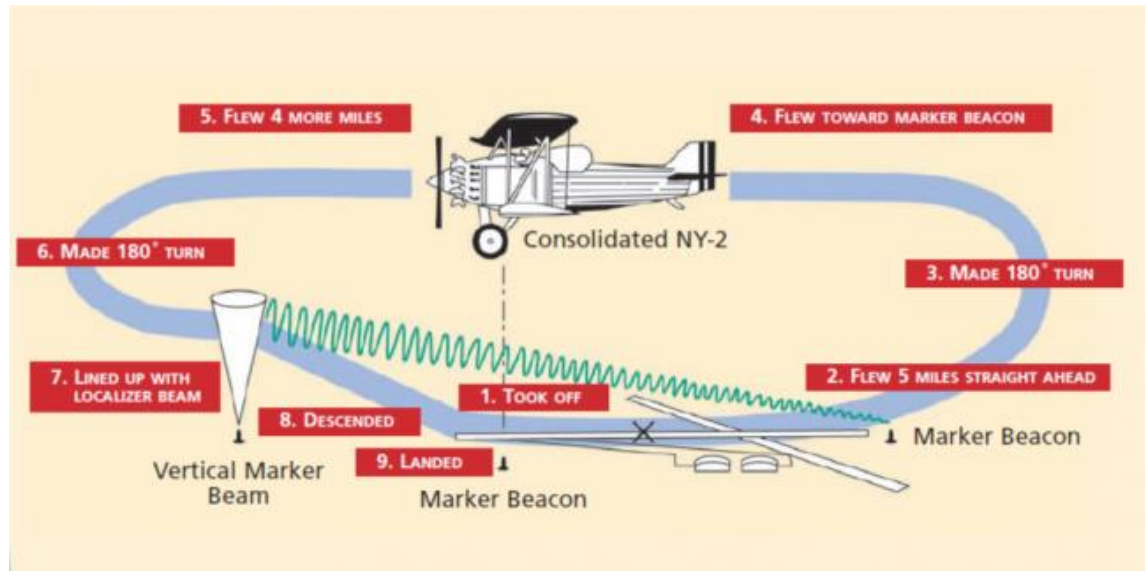
The first blind flight occurred on September 24, 1929 when U.S. Army Air Corps pilot, Lt. James Doolittle, at the Guggenheim's Full Flight Laboratory at Mitchel Field took off in a specially instrumented Army Air Corp NY-2 Husky aircraft built by the Consolidated Aircraft Corporation with Lt. Benjamin Kelsey as his safety officer and landed after a fifteen minute, 20 mile, flight without ever seeing the ground. At the time the NY-2 Husky was the world's most instrumented aircraft engaged in blind flying research. The rear cockpit contained the blind flying displays and during the blind flight it was shielded by a canvas canopy hood to eliminate external references.

In Doolittle's own words, "We both got into the plane, and the hood over my cockpit was tightly closed. I taxied out and took off toward the west in a gradual climb. At about 1,000 feet, I leveled off and made a 180-degree turn to the left, flew several miles, then made another left turn. The airplane was now properly lined up on the west leg of the Mitchel range, so I started a gradual descent, I leveled off at 200 feet and flew level until I passed the fan marker on the east end of the field. From this point I flew the plane down to the ground using the instrument landing procedure we had developed. The whole flight lasted only 15 minutes. So far as I know, this was the first time an airplane had taken off, flown over a set course, and landed by instruments alone."



NY-2 Husky Aircraft with Canvas Canopy Hood

Crucial to the success of the flight, in addition to the newly developed Kollsman Altimeter and the Sperry Directional Gyro and Artificial Horizon, was the radio range and marker beacon developed by the Bureau of Standards and the special radio receiver with a vibrating reed display built by the Radio Frequency Laboratories.



Flight Route for First Blind Takeoff, Flight and Landing

The achievement of the First Blind Flight and Landing was the result of an unusual cooperative effort primarily involving the Daniel Guggenheim Fund for the Promotion of Aeronautics, the U.S. Army Air Corps, the Department of Commerce, the Sperry Gyroscope Company, the Kollsman Instrument Company and the Radio Frequency Laboratories. Other companies, the Pioneer Instrument Company, the Taylor Instrument Company and the Bell Telephone Laboratories contributed as well.

Doolittle's successful blind flight and landing demonstrated that having and being able to use accurate and reliable instruments was the key to safe flying, under near zero visibility conditions and that contrary to the belief of many pilots at the time that being able to fly, "by the seat of my pants," was the more important skill.

Of all the organizations that contributed to the success of Doolittle's flight, were it not for the Full Flight Laboratory established by the Daniel Guggenheim Fund for the Promotion of Aeronautics, Doolittle's achievement that helped pave the subsequent rapid growth of the aviation industry might well not have occurred until several years in the future. Furthermore, it paved the way to the all-weather microwave landing systems that are currently used.

This will be a joint designation between the IEEE and the American Institute of Aeronautics and Astronautics (AIAA). The plaque citation summarizing this Milestone achievement and its significance follows:

On 24 September 1929, the first blind takeoff, flight and landing occurred at Mitchel Field, Garden City, NY in a Consolidated NY-2 biplane piloted by Lt. James Doolittle. Equipped with specially designed radio and aeronautical instrumentation, it represented the cooperative efforts of many organizations, mainly the Guggenheim Fund's Full Flight Laboratory, U.S. Army Air Corps, U.S. Dept. of Commerce, Sperry Gyroscope Company, Kollsman Instrument Company and Radio Frequency Laboratories.

The milestone plaque will be installed in the Mitchel Field Flight Safety exhibit of the Cradle of Aviation Museum just a few hundred feet from where the flight's takeoff and landing originated. Save the date for the dedication ceremony commemorating the 85th Anniversary of the event scheduled as follows:

Event: First Blind Takeoff, Flight and Landing Milestone Dedication Ceremony
Date: Wednesday September 24th 2014
Time: 11:00 AM
Place: Cradle of Aviation Museum, 1 Davis Ave, Garden City, NY 11530

CONGRATULATIONS

Our sincerest congratulations
**to all the 2014 IEEE Long Island Section honorees
on a job well done**

from all of us at Retlif Testing Laboratories



**RETLIF
TESTING
LABORATORIES**

A leader in EMC and Environmental Simulation testing since 1978

795 Marconi Avenue, Ronkonkoma, NY 11779 USA

Tel: (631) 737-1500 • Fax: (631) 737-1497 • www.retlif.com • E-mail: sales@retlif.com

Additional locations in New Hampshire, North Carolina, Pennsylvania & Washington D.C.



LONG ISLAND, NY CHAPTER

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

**The Long Island Chapter
of the Project Management Institute**

www.pmilic.org

SSI Spectrum Sales, Inc.

Electronic Engineering Representatives

Voice: 516-921-5750

Fax: 516-921-5776

Internet: www.spectrumsales.com

E-Mail: sales@spectrumsales.com

***With over 50 years of supporting
the RF and Microwave industry
on Long Island,***

***Spectrum Sales would like to
congratulate all of this year's
Honorees and Award Winners
for their continued contributions
to our Electronics community.***

Exelis would like to congratulate the 2014 IEEE Long Island Section award recipients for their contributions toward advancing innovation and technical excellence.

Mr. Tom Volz

Technological Innovation for contributions to Program Management Excellence Award

Mr. John Gunther

Managerial Excellence in an Engineering Organization Award

EXELIS

THE POWER OF INGENUITY



High-Tech Test, Measurement & Engineered Solutions

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

From: Anthony Yackovich
516-857-8075 Toll free 1-800-219-9417

www.contechmarketing.com

{ 25 YEARS EXPERIENCE }

{ SPECIALIZING IN: }

- ✓ Packaging
- ✓ Environmental Graphics
- ✓ Logo Design
- ✓ Web Graphics
- ✓ Photo illustration
- ✓ Print Design
- ✓ Media Kits
- ✓ Presentation Graphics
- ✓ Sales and Marketing Collateral

tgiresi@aol.com | 516.749.4666

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

- *IEEE worldwide membership in December was 431,191 members. Region 1, which the Long Island Section is a part of, had 34,502 members (8% of the total). The Long Island Section has over 2000 members, of which 40 are Fellows, and 206 are Senior Members*
- *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 a 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

Monica Bugallo
Nikolaos Golas
Alfred Lopez

Rod Lowman
Richard Mohr

The awards presented at the 2014 IEEE Honors Ceremony are supported by the generosity of the following organizations:

St. Joseph's College

Exelis

MITEQ

Northrop Grumman

Stony Brook University

Telephonics

Narda Microwave East

BAE Systems

Farmingdale State College

UL (Underwriters Lab)

LI Consultants Network (LICN)

Retlif Testing Laboratories

Advanced Technical Marketing

Agilent Technologies

Contech Marketing Associates

John Vodopia PC

Microcom Sales

PMI Long Island, NY Chapter

SSI Spectrum Sales

Superior Technical Solutions

PAST HONOREES LONG ISLAND 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.

2013 Scott B. Abrams	2004 Charles Rubenstein	1995 Stephen Barre
2012 Nikolaos Golas	2003 William Rooney	1994 Joel Snyder*
2011 Peter A. Eckstein	2002 Babak Beheshti	1993 Robert Bruce
2010 Santo Mazzola	2001 Thomas A. Campbell	1992 Robert Barden
2009 James Colotti	2000 Herman Fialkov*	1991 Sheldon S.I. Chang
2008 Arthur Rossoff*	1999 Eduardo F. Palacio	1990 Donald Christiansen
2007 David Wolf	1998 Peter Buitenkant	1989 Donald L. Schilling
2006 Daniel Rogers	1997 Eleanor Baum	1988 Alexander Schure
2005 David Mesecher	1996 Irwin Weitman*	1987 John Truxal

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.

2013 Babak Behesht	2010 John F. Hennings	2006 Serge Luryi
2012 Thomas Robertazzi	2009 Sina Rabbany	2006 Wendy K. Tang
2011 Monica Bugallo	2007 Frank A. Cassara	2005 Kenneth Short
		2004 Peter Voltz

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.

2013 John Smedley	2001 Javed Siddiqui	1988 Donald Grieco
2012 Eugene Feinberg	2000 Gary Schay	1987 Roderic Lowman
2011 Kenneth Frank	1999 Robert Pang	1986 Stephen Shapiro
2010 Thomas R. Neiland	1998 Joseph T. Merenda	1985 Joseph Calviello
2009 David Mesecher	1997 Donald Neuf	1984 Richard Frazita
2008 Babak Beheshti	1996 Peter McVeigh	1983 E. J. Smith
2007 Yuri Okunev	1995 Christopher Kaiteris	1982 Evelyn Berezin
2006 Aleksey Bolotnikov	1994 Richard Kumpfbeck	1981 John Stangel
2005 Peter Vanier	1993 Zdenek Adler	1980 Enrico Levi
2004 Raj Bridgelall	1992 Mathew Dwork	1979 A.D. Alexandrovich
2003 Bruce Willins	1991 Ronald Rudish	1978 Richard LaRosa
2002 Robert H. Pflieger	1990 Sol Greenberg	1977 Page Burr
	1989 George Sandler	1976 Patricia Burgmyer*

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.

2013 Roderic Lowman	2012 Henry Bachman	2011 Jesse Taub
----------------------------	--------------------	-----------------

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.

2013 Walter Poggi	2004 Arie Kaufman	1995 Jerome Swartz
2012 William Pawlowski	2003 Stanley Oken	1994 William Rubin
2011 Joseph Merenda	2002 Edward M. Newman	1993 Alfred Lopez
2010 Bert Moskowitz	2001 Gary R. Lomp	1992 Leonard Kahn
2009 Veljko Radeka	2000 James Smith	1991 Ivan Frisch
2008 Kenneth Schneider	1999 Yacov Shamash	1990 Peter Hannan
2007 Ralph B. James	1998 Paul Richman	1989 Patrick Barry
2006 Richard Klumpfbeck	1997 Seymour Okwit	1988 Frederic Salerno
2005 Peter McVeigh	1996 Henry Bachman	

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.

2013 Rafael M. Perez	2005 Justin Maloney-Hahn	1999 Raj Bridgelall
2012 Robert Schmid	2004 Jonathan Garruba	1998 Wing C. Kwong
2011 Adam S. Chalson	2003 Michael Sussich	1997 Paul Eyring
2009 Monica F. Bugallo	2002 Ronald J. Bajit	1995 Kenneth Aupperle
2008 Gabriella Carini	2001 Fatih M. Ozluturk	1994 Ynjiun Wang
2006 David Hernandez	2000 Scott Weiner	1993 Cecelia Jankowski

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.

2013 The College of Engineering and Applied Sciences of Stony Brook University
2012 Brookhaven National Laboratory
2011 Farmingdale State College
2010 BAE Systems

Outstanding Student Chapter Award

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

2012 Hofstra University
2010 Stony Brook University
2007 Stony Brook University
2005 Stony Brook University

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.

2013 Garry Z. Gu	2012 Matthew B. Nissen
-------------------------	------------------------

Long Island Section IEEE Fellows

IEEE Fellow is a distinction reserved for select IEEE members whose extraordinary accomplishments in any of the IEEE fields of interest are deemed fitting of this prestigious grade elevation

F.R. Arams
John Asvestas
Lalit Bahl
Eleanor Baum
Gregory Belenky
Ilan Ben-Zvi
J.J. Bongiorno
William Caputi
Donald Christiansen
Petar Djuric
Eric Forsyth
Joseph Fragola

Ivan Frisch
Richard Gambino
C.G. Garrett
Peter Hannan
H. Harris
John Impagliazzo
Ralph James
Arie Kaufman
Richard La Rosa
Jerome Liang
Konstantin Likharev
Alfred Lopez

Serge Luryi
Richard Mohr
Seymour Okwit
T. Pavlidis
John Pierro
Veljko Radeka
Paul Richman
Thomas Robertgazzi
Thomas Roser
E. Sard
Mischa Schwartz
Yacov Shamash

Leonard Shaw
S. Shinner
Martin Shooman
Graham C. Smith
Jerome Swartz
Jesse Taub
David Weissman
Craig L. Woody
Yuanyuan Yang
Armen Zemanian
Glenn Zorpette

Region 1 Award Recipients

Craig Aarseth
Scott B. 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
Robert Blosser
Lloyd Blueweiss
James P. Blumling
Nader Bolourchi
David Bomzer
Gary Cachules
Thomas Campbell
Frank Cassara
Bernard Cheo
Richard Clouse
James Colotti
John Cosenza
Michael N. Cunetta
Eric Darwin
William DeAgro
Peter Djuric
Melvyn Drossman
Alfred J. DuPlessis
Paul M. Eyring

Arthur Faverio
John A. Fiorillo
Phillip Ferraro
Joseph Fragola
Kenneth Frank
Marc Frankel
Harvey Glass
Nikolaos Golas
Michael Green
Jonathan Garruba
Shahe Halajian
Richard Hines
Robert Hong
Ivan Kadar
Leonard Kahn
Richard Knadle
Richard Koch
Richard Krabak
Frederick M. Kruger
Raymond Lackey
Thomas Lanzisero
Richard LaRosa
Richard Law
Zheng Li
L.I.F.T.
Alfred Lopez
George Los
Roderic Lowman
Peter Lubell
Louis Luceri
Edward Magill
Velio Marsocci

Daniel Mazziata
Santo Mazolla
Andrew McNerney
David Mesecher
Niel F. Miele
John Nastro
Donald Neuf
Donald Neuhaus
Stephen O'Brian
Brian V. Oronato
James Onorato
Eduardo Palacio
Theodore Pappas
J.B. Parekh
John Persich
Lazaros Pavlidis
Bernard Payton
John Pedersen
John Pierro
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

Thomas Schneider
Michael L. Schreiber
Frederick Schuessler
Murray Simpson
Graham C. Smith
Martin Somin
David W. Sterner
Terry Stratoudakis
Jerome Swartz
Karl Sygall
Jesse Taub
K. Wendy Tang
Frank Torre
Bryan Tropper
Hang-Shen Tuan
Charles Verbeke
Peter Voltz
Irwin Weitman
Charles Vozzo
David Wang
Fu-Lin Wang
Scott Weiner
Walt Whipple
Bruce Willard
Christopher Witt
David Wolff
Craig L. Woody
Yuanyuan Yang
Stanley Zoubek, Jr.
Victor Zourides
Mark Zuchowski

MGA William W. Middleton Distinguished Service Award

Honors an individual, who over a long and sustained period of leadership contributed in an exemplary manner to the Member and Geographic Activities (MGA) Board, its activities and achievements, and the attainment of its goals and objectives

2005 Louis Luceri

Dennis J. Picard Medal

Presented for outstanding accomplishments in advancing the fields of radar technologies and their applications

2005 William Caputi, Jr.

Robert S. Walleigh Award

Honors members of the engineering profession for long-term dedicated effort and outstanding accomplishments in advancing the aims of IEEE professional activities in the United States.

2005 Charles Rubenstein

RAB Achievement Award

1999 Joel Snyder*

1998 K. Wendy Tang

1986 William Wilkes

IEEE-USA Award Recipients

Harvey Altstadter
Robert Bruce
Lawrence Edelman
Thomas Downey

Barbara Kent
Charles Rubenstein
Joel Snyder*
Jesse Taub

Irwin Weitman
Victor Zourides

IEEE Medalists

Henry Bachman
Eric Forsyth
Ivan Frisch

Nathan Marcuvits*
Mischa Schwartz
Jerome Swartz

John Tuxal

2000 Millennium Award

Harvey Altstadter
Henry Bachman
Babak Beheshti
Robert Bruce
Thomas Campbell
David Doucette

Peter Eckstein
Ivan Frisch
Alfred Lopez
Rod Lowman
Velio Marsocci
Seymour Okwit
Eduardo Palacio

John Pierro
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

LONG ISLAND SUB SECTION OF NEW YORK SECTION CHAIRS



Eric Isbister
1947



Harold A. Wheeler
1948



Orville M. Dunning
1949



John Dyer
1950



Hugh E. Webber
1951



Charles J. Hirsch
1952

IEEE LONG ISLAND SECTION PAST CHAIRS



Vincent Learned
1953



William F. Bailey
1954



Paul G. Hansel
1955



David Dettinger
1956



Eugene G. Fubini
1957



R.K. Hellmann
1958



J. Gregg Stephenson
1959



Henry Jasik
1960



Joseph Kearney
1961



William T. Cooke
1962



Murray Simpson
1963



Harold Brownman
1964



Richard C. Price
1965



Henry L. Bachman
1966



Irwin Vogel
1967



Henry W. Redlien
1968



Saul W. Rosenthal
1969



Arthur Rossoff
1970



Joel Snyder
1971-1972



Frank H. Williams
1973



Thomas Schulkind
1974



Roderic V. Louman
1975



Peter D. Lubell
1976



Victor Zourides
1977



Edward J. Fuller
1978



David Doucette
1979



Alexander J. Kelly
1980



Donald Neuhaus
1981



Louis Luceri
1982



Robert Barden
1983



Arnold Goldman
1984



Richard LaRosa
1985



Donald Grieco
1986



Steven Rebovich
1987



Velio Marsocci
1988



Klaus Breuer
1989



Melvyn M. Drossman
1990



John Pierro
1991-1992



Eduardo F. Palacio
1993-1994



Thomas A. Campbell
1995



Nader Bolourchi
1996



Harvey Altstadter
1997-1998



Amnon Gilaad
1999



Babak Beheshti
2000-2001



William Rooney
2002



Dave Mesecher
2003



Christian DiFranco
2004



Daniel Rogers
2005



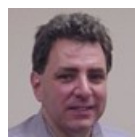
David L. Wolff
2006



Theodore G. Pappas
2007



William C. DeAgro
2008



Santo Mazzola
2009



Jonathan Garruba
2010



Nikolaos Golas
2011



Susan Frank
2012



Thomas Lanzisero
2013