

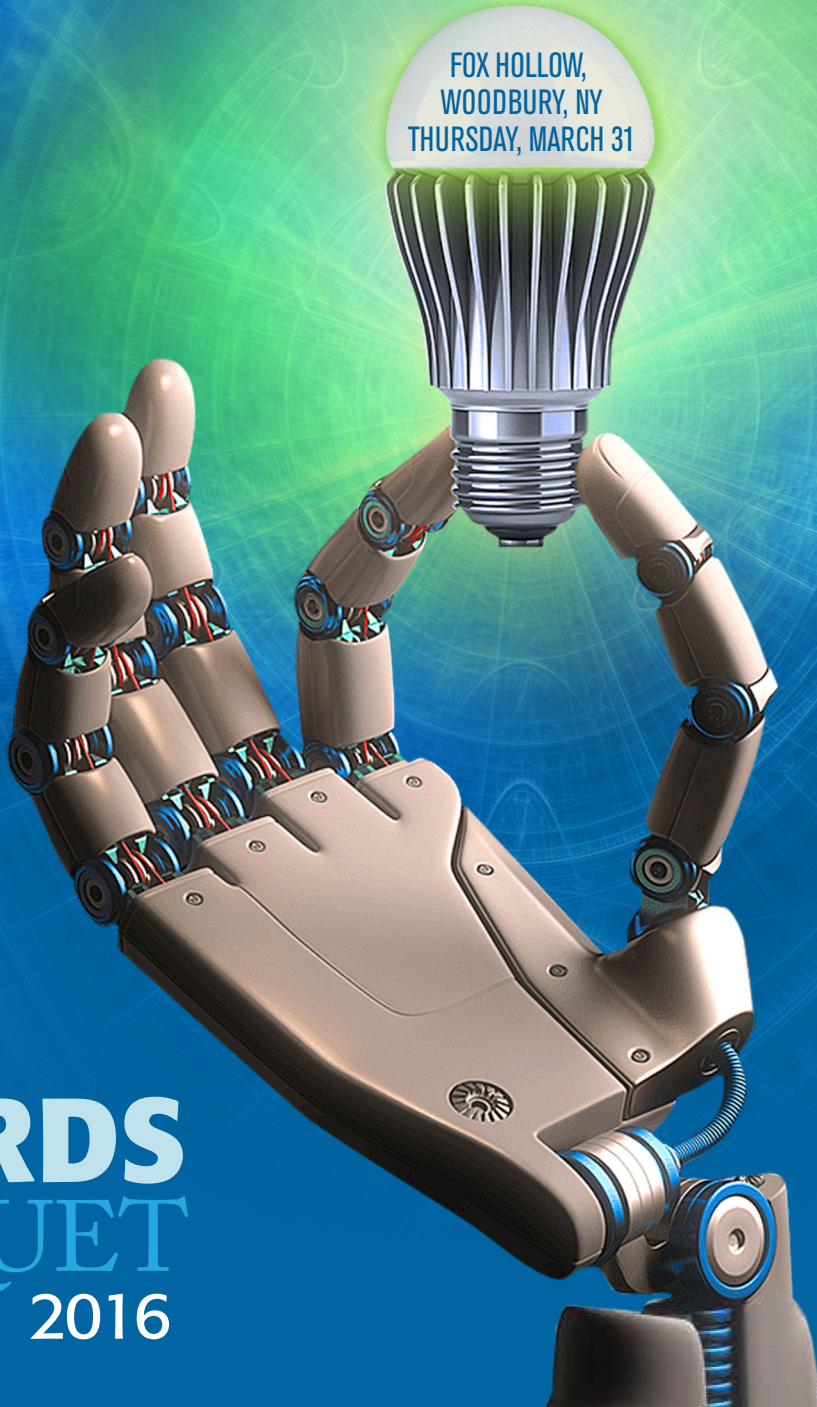


IEEE



LONG ISLAND SECTION

FOX HOLLOW,
WOODBURY, NY
THURSDAY, MARCH 31



ANNUAL
AWARDS
BANQUET
2016

AGENDA and IEEE LONG ISLAND CHAIR MESSAGE

**THURSDAY MARCH 31, 2016,
FOX HOLLOW INN, WOODBURY NY**

- 5:30 - 7:00 PM** GUEST ARRIVAL, HORS D'OEUVRES
7:00 - 7:05 PM CALL TO ORDER
7:05 - 7:10 PM WELCOME ADDRESS
7:10 - 7:25 PM KEYNOTE ADDRESS
7:25 - 7:40 PM VOLUNTEER RECOGNITION AWARDS
7:40 - 7:55 PM **LONG ISLAND SECTION AWARDS**
ALEX GRUENWALD AWARD
Mr. John Dunn, AMBERTEC
ATHANASIOS PAPOULIS AWARD
Mr. John Fiorillo, FARMINGDALE STATE COLLEGE
CHARLES HIRSCH AWARD
Mr. Gerard Klahn, FREQUENCY ELECTRONICS
FRIEND OF THE LONG ISLAND SECTION AWARD
InterDigital, Inc.
HAROLD WHEELER AWARD
Mr. Richard Frazita, TELEPHONICS
LIFETIME ACHIEVEMENT AWARD
Mr. Donald Christiansen,
FORMER EDITOR & PUBLISHER OF IEEE SPECTRUM
OUTSTANDING YOUNG ENGINEER AWARD
Mr. Joseph Carrano, TELEPHONICS
OUTSTANDING STUDENT BRANCH AWARD
IEEE Student Chapter of SUNY Stony Brook
OUTSTANDING VOLUNTEER OF THE YEAR AWARD
Mr. Charles A. Pleckaitis,
NORTHROP GRUMMAN, RETIRED
7:55 - 8:00 PM **LONG ISLAND SECTION SPECIAL AWARD**
Tesla Science Center at Wardencliff
8:00 - 8:50 PM DINNER, PHOTO SESSION
8:50 - 9:10 PM **REGION 1 AWARDS**
REGION 1 AWARD
Mr. Tommaso Vulpis, HARRIS CORPORATION
REGION 1 AWARD
Mr. Justin Maloney-Hahn, TELEPHONICS
REGION 1 AWARD
Mr. Michael F. Ciardullo, L-3 NARDA-MITEQ
REGION 1 AWARD
Mr. M. Nazrul Islam, FARMINGDALE STATE COLLEGE
REGION 1 AWARD
William F. Wilkes,
REGION 1 AWARD
Sheldon Brown, BAE SYSTEMS
9:10 - 9:15 PM CLOSING REMARKS
9:15 - 9:30 PM DESSERT



Editor: Marjaneh Issapour
Designer: Anthony Giresi
Advisors: Nick Golas, John Schmidt
Acknowledgement: Google Images

IEEE LONG ISLAND SECTION CHAIR MESSAGE



**M. NAZRUL
ISLAM**

**CHAIRMAN,
IEEE
LONG ISLAND
SECTION**

It is my honor to welcome you to the Annual Awards Banquet program tonight. We are extremely happy to have a distinguished Engineering Executive, Ms. Donna Linke-Klein, of BAE Systems Greenlawn site, as the Keynote Speaker, who will speak on "Innovation – Everyone Can Do It". We are also privileged to have Peter Alan Eckstein, the IEEE-USA President, to welcome our audience. We highly appreciate the valuable time and support of both the speakers.

Today we are going to recognize the accomplishments of some extraordinary Engineers who contributed significantly towards growth of the Section and the Region. We are proud to honor six IEEE Region 1 awardees and nine Section awardees in different categories. Congratulation to each of the awardees & hope that they would continue their excellence in enhancing the technological development of the society.

The Section will also commend the Tesla Science Center at Wardencliff for its stimulating innovation and honor Nikola Tesla for creation of a world-class science, technology and engineering educational facility and museum.

The most strength of the Section comes from its volunteers who offer valuable time and effort to run the activities. The Awards Banquet will recognize the outstanding volunteers of the Section.

I would like to take this opportunity to appreciate the excellent support we received from various organizations in terms of sponsorships and advertisements. Success of the Awards Banquet is highly dependent on tremendous work of the Section Officers who have been working very hard over last couple of months.

A great deal of appreciation is due to the Fox Hollow for accommodating our requests and providing a wonderful facility. Finally, it is my pleasure to thank all the attendees and their guests for your marvelous cooperation.

Hope you enjoy the Awards Banquet

M. Nazrul Islam
Chairman, IEEE Long Island Section

WELCOME ADDRESS 2016 PRESIDENT, IEEE-USA



**PETER ALAN
ECKSTEIN**
SENIOR PRINCIPAL
ENGINEER (RETIRED)
NORTHROP
GRUMMAN
CORPORATION

Peter Eckstein is an engineering management professional with extensive experience in the design and development of sophisticated electronic and electromechanical systems. He is retired from Northrop Grumman Corp., where he held various engineering managerial positions of increasing responsibility involving U.S. Navy electronic warfare system avionics.

In addition, Eckstein is an Adjunct Professor of Physics at Suffolk County Community College, where he is responsible for lecture and lab development of calculus and algebra based physics courses, at Queensborough Community College, where he teaches physics and astronomy, and at the United States Merchant Marine Academy, where he teaches physics and engineering.

Peter A. Eckstein received the B.S. degree in Electrical Technology from the New York Institute of Technology in 1967. He received an M.S. in Applied Physics from Adelphi University in 1971 and an M.S. in Management Engineering in 1974.

An IEEE Senior Member, Peter Eckstein has been active in various volunteer roles at the section, region, society and IEEE Board-levels, including previous service on the IEEE-USA Board of Directors as Vice President, Government Relations (2008-2009) and as Region 1 Director (2012-2013).



KEYNOTE SPEAKER DISTINGUISHED ENGINEERING EXECUTIVE



**DONNA
LINKE-KLEIN**
SENIOR PRODUCT
LINE DIRECTOR,
IDENTIFICATION AND
MISSION COMPUTING
PRODUCTS,
BAE SYSTEMS

INNOVATION - EVERYONE CAN DO IT!

Donna Linke-Klein is the product line director for the Identification and Mission Computing Product Line. She has over 30 years of experience in Program Management and new business capture; she has led teams in the identification and capture of critical programs for BAE Systems such as Future Combat System and Multi-Mission Maritime Aircraft (P-8). She has held a number of leadership positions in Program Management, most recently as the Deputy General Manager of the Intelligence, Surveillance and Reconnaissance Solutions Business Area. Donna is also the sector lead for the Partnering for Success relationship with Boeing Corporation.

She received the Tribute to Women in Industry and BAE Systems Manager of the Year awards. Linke-Klein holds a bachelor of science degree in Economics and Management and a master's degree in Business Administration from Long Island University with Summa Cum Laude distinction.

She previously served on the Board of Directors for the Long Island Forum for Technology (LIFT). Donna was the Site Executive for the Greenlawn, New York campus responsible for employee safety, welfare, engagement and community relations.

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SPECIAL THANKS TO OUR AWARDS NOMINATION COMMITTEE

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Nikolaos Golas
Santo Mazzola
Richard Mohr*
Daniel Rogers
John Schmidt



*Deceased

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Congratulations to All Awardees

FARMINGDALE STATE COLLEGE
PROUD SPONSOR OF THE
**2016 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

IEEE LONG ISLAND SECTION ALEX GRUENWALD AWARD



JOHN M. DUNN
ABERTEC

For many outstanding presentations on analog design to the IEEE Long Island Section Consultants Network

John Dunn holds an MSEE from New York University, a BSEE from The Polytechnic Institute of Brooklyn and is a graduate of Brooklyn Technical High School. His work history covers fifty years as an employee and as an independent consultant for both military and commercial concerns. He has published more than forty technical items in the print literature and more than five hundred technical and non-technical on-line essays. Those on-line essays are available via EDN under the column Living Analog, via The IEEE Consultants' Network of Long Island (LICN) website and elsewhere.

John has served for several years as Program Chairman of LICN, is serving as the LICN Chairman for 2016 and is a past president of The Armand Sodero Chorale, formerly in Baldwin, NY.

John and his lovely wife Judy have been married for nearly forty years. They have two sons and most recently, they have been blessed with twin grandsons.

John grew up in Forest Hills and Rego Park in Queens, lived for some years in New Hampshire and today, he and Judy make their home in Merrick on Long Island.



IEEE LONG ISLAND SECTION ATHANASIOS PAPOULIS OUTSTANDING EDUCATOR AWARD



JOHN FIORILLO
FARMINGDALE STATE COLLEGE

For exemplary teaching, IEEE Student Branch leadership and the creation of a student scholarship fund in conjunction with the LISAT Conference

Dr. Fiorillo is a State University of New York Distinguished Teaching Professor. Appointment to the prestigious Distinguished Rank is the highest honor conferred upon faculty by the SUNY Board of Trustees. Dr. Fiorillo earned his Ph.D. from New York University, is a Farmingdale State College faculty member for the past 41 years, a recipient of both SUNY's Chancellor's Award for Excellence in Teaching and Farmingdale State College's Alumni Association's Distinguished Faculty Award. Actively involved in campus governance, outcomes assessment, curriculum development, and accreditation activities, he was instrumental in the development of baccalaureate degrees in Electrical Engineering Technology, Computer Engineering Technology, Technology Studies, Telecommunications, & a graduate program in Engineering Technology Management. Among Dr. Fiorillo's areas of specialization are design of discrete and linear integrated systems, network theory, C/C++ programming and programmable instrumentation. His research activities include metal oxide semiconductors, cognitive science-learning theory, and learner-centered teaching pedagogy.

Dr. Fiorillo's professional affiliations include IEEE's Circuits and Systems Society, Microwave Society, Instrumentation Society, and Education Society, & the American Society of Engineering Educators (ASEE). As FSC's IEEE Club faculty advisor, he is instrumental in motivating students to participate in IEEE activities, Micro-mouse Competitions, guest speaker presentations, field trips to local industry, and IEEE conferences. In particular, FSC's IEEE Club was awarded the IEEE Long Island Section's Outstanding Student Chapter Award for 2014.

Dr. Fiorillo is a member of the LISAT conference board and was recognized for his volunteer efforts with the IEEE Long Island Section's Service Award in 2008. Notably, Dr. Fiorillo has been instrumental in the implementation of the LISAT Scholarship Program. Since its inception, the LISAT Scholarship program, a collaboration between IEEE Long Island Section's LISAT Conferences and the Farmingdale College Foundation, has awarded sixty scholarships to FSC students.



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Congratulations to the IEEE Long Island Section and all Award Recipients

Especially our Chairman, John Dunn

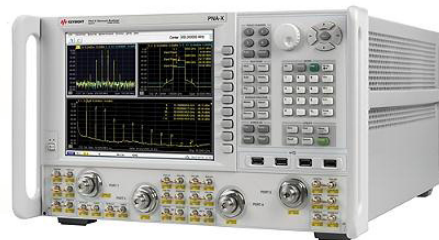
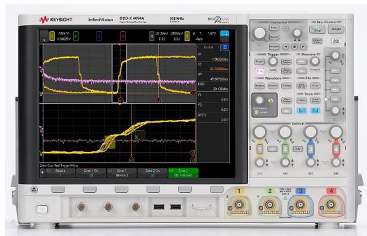
This year's recipient of the Alex Gruenwald Award

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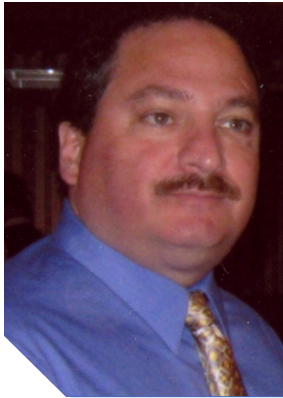


Keysight is the world's leading electronic measurement company, transforming today's measurement experience through innovations in wireless, modular, and software solutions. With its HP and Agilent legacy, Keysight delivers solutions in wireless communications, aerospace and defense and semiconductor markets with world-class platforms, software and consistent measurement science.



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IEEE LONG ISLAND SECTION CHARLES HIRSCH AWARD



GERALD KLAHN FREQUENCY ELECTRONICS

For innovative contributions to the design and development of advanced radio frequency, space, and communications systems

Gerard Klahn has been working as a design & development Engineer for over 34 years in the RF and Microwave Field. Over these years Gerard has held many positions as an Engineer and as a Manager. Gerard is currently employed at Frequency Electronics Inc. as a Director of RF and Microwave Systems Engineering where his responsibilities are as a technical lead in the design and development of space application hardware for commercial and military satellites.

Gerard graduated from Pratt Institute with a bachelor's in Electrical Engineering and started his career at AIL as an RF Engineer, designing RF and Microwave hardware for Electronic Warfare and Electronic Counter Measure systems. While at AIL, Gerard was selected to participate in the Master's Program between the major Engineering companies on Long Island and Polytech in the 80's. Gerard graduated from this program with an MSEE in Electromagnetics.

Gerard left AIL and started working at Microwave Power Devices, where his responsibilities were in the New Business and Advanced Engineering Group. In this position Gerard was responsible for developing various High Power Amplifier systems from HF to S Band, including Transceivers, Synthesizers, and Linearized Amplifiers as part of complete solutions.

Gerard then worked at InterDigital Communications Corporation where He led an RF team in the Design and Development of advanced transceiver technology for base station and terminal applications for communication systems. His focus was to aid in the generation of intellectual property in the RF arena. In this capacity Gerard filed ten patent applications for smart antenna's, Direct Convert Transceivers, Multimode Receivers, Increased Battery efficiencies by dynamically adjusting Amplifier bias as a function of output power, and reducing channel interference between proximate wireless communication units to name a few. Three of the ten patent applications filed have been issued to date.

FRIEND OF THE IEEE LONG ISLAND SECTION AWARD



INTERDIGITAL, INC.

For generous financial support of the Long Island Systems, Applications, and Technology (LISAT) Conference for many years

InterDigital, Inc. designs and develops advanced technologies that enable and enhance mobile communications and capabilities. Since our founding in 1972, our engineers have designed and developed a wide range of innovations that are used in digital cellular and wireless products and networks, including 2G, 3G, 4G and IEEE 802-related products and networks.

For over four decades, InterDigital has been a pioneer in mobile technology and a key contributor to global wireless standards. Our team of more than 170 engineers – approximately 80 percent of whom hold advanced degrees, including over 50 PhDs – has unparalleled expertise in major mobile connectivity and content delivery technologies. Since 2000, InterDigital has spent close to \$1 billion on technology research and development.

The company's activities are organized around the concept of the Living Network: a future where intelligent networks self-optimize to deliver service that is tailored to the content, context and connectivity of the user, device or need.



TELEPHONICS CONGRATULATES

Mr. Richard Frazita

L.I. Section Harold Wheeler Award Winner

Mr. Joseph Carrano

L.I. Section Outstanding Young Engineer Award Winner

Mr. Justin Maloney-Hahn

Region 1 Technical Innovation (Industry & Government) Award Winner



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IEEE LONG ISLAND SECTION HAROLD WHEELER AWARD



RICHARD FRAZITA TELEPHONICS

For managerial and technical leadership applied to civil aviation & national defense programs including state-of-the-art airborne maritime imaging radar and IFF systems

IEEE Life Member, Chief Scientist, Advanced Systems, Radar System Division; previously Vice President Program Management, Vice President Engineering, Technical & Engineering Director, Head-Wheeler Labs.

Richard joined Wheeler Labs as a microwave antenna research engineer from Manhattan College in 1960 (BSEE), in 1965 earned the MSEE from PIB. He was mentored by Harold Wheeler and contributed to the antenna design for many important Defense projects, Nike Zeus ABM Discrimination radar, Nike-X Missile Site Radar phased array; AF endfire electronically scanned Satcom terminal (photo in the Jasik Antenna Handbook).

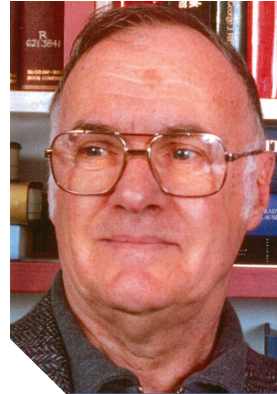
Richard was a major contributor to the international standardization of the Microwave Landing System (MLS), created a substantial patent portfolio and a family of low-cost phased array antennas which was pivotal for the ICAO selection of the U.S. proposal. He led Hazeltine to win a large competitive FAA production award which produced the first commissioned MLS in the U.S. for unrestricted public use.

In 1996 Richard joined Telephonics, and introduced modern engineering and program management methods. This led to the successful execution of the largest program in Telephonics history, the LAMPS Block II Radar Upgrade that ultimately produced the AN/APS-153(V) maritime Surveillance Radar called the Automatic Periscope Detection and Discrimination Radar (ARPDD) both with integrated IFF. They are deployed on the Navy's fleet of MH-60R helicopters. Recently, an AN/APS-147 was credited with finding a man overboard at night after hours lost at sea.

In 2003, Richard captured & managed a large development program with production for a new radar (including SAR/GMTI) from the Canadian MOD for the Aurora Fleet (CP-140). His proposal style led to other significant awards from the USCG Tilt Rotor UAV program and the Canadian Multi-Mission Helicopter Program.

Recently, Richard authored the 360° FOV strategy and technology approach for Telephonics' new radar apertures employing electronic scan (MOSAIC™).

IEEE LONG ISLAND SECTION LIFETIME ACHIEVEMENT AWARD



DONALD CHRISTIANSEN FORMER EDITOR AND PUBLISHER OF IEEE SPECTRUM

For a lifetime of service to the engineering profession as the long-time editor & publisher of IEEE Spectrum, numerous papers including engineering ethics, and originating the Micromouse competition

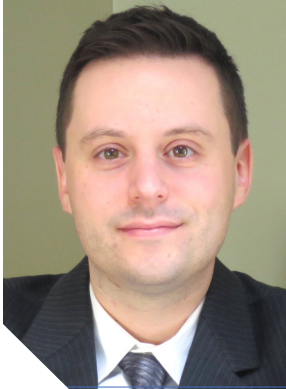
Don Christiansen held engineering and management positions at Philco Corporation and the CBS Electronics Division. He later became solid-state editor for Electronic Design magazine and editor-in-chief of McGraw-Hill's Electronics magazine. He was then recruited by IEEE to redesign and refocus Spectrum. During his 21-year tenure as editor and publisher, Spectrum won 4 National Magazine Awards and income revenues increased 17-fold. He also helped launch the IEEE-USA publication Today's Engineer, for which he writes the column "Backscatterer."

Don was elected a National Director of Eta Kappa Nu in 1983. He was named an Eminent Member of HKN in 1985 and received its Distinguished Service Award in 2001. He served as a member of the National Research Council Commission on Education and Utilization of the Engineer, and initiated the IEEE Spectrum Pre-college Math/Science Education Award to recognize projects that stimulate young people's interest in technical careers.

In 1977 Don initiated the MicroMouse Maze competition. It has since become a world-wide phenomenon. Don was awarded the IEEE Centennial Medal and, in 1980, the Triennial Medal for the Advancement of Culture by the Flanders Academy of Art, Science, and Literature. He served as a member of the Electrical Engineering Advisory Committee of the Worcester Polytechnic Institute and of the Industrial Physicist Advisory Committee of the American Institute of Physics.

Don is a Life Fellow of IEEE and a Fellow of the World Academy of Art and Science and the Radio Club of America. He is a long-time member of the Society for the History of Technology, a member of the National Press Club, and a past-president of the Society of National Association Publications. A Navy veteran, Don is a Life Member of the Navy League of the United States.

IEEE LONG ISLAND SECTION OUTSTANDING YOUNG ENGINEER AWARD



**JOSEPH
CARRANO**
TELEPHONICS

*For outstanding
contributions to
military electronic
systems software*

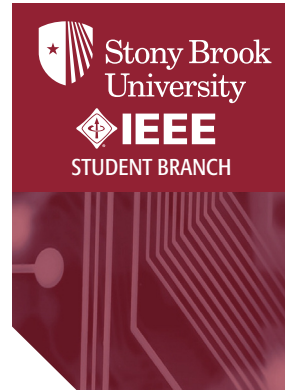
Joseph Carrano graduated from Polytechnic University in 2002 with a Bachelor of Science degree in Computer Engineering. He joined Telephonics Corporation as a Software Engineer shortly thereafter and spent the first few years of his career working on the user interface software for various programs within the AN/APS-143 product line. During this time he attended Dowling College part-time and received his Masters of Business Administration.

In 2006 he moved onto software development for the new AN/APS-153(V)1 multi-mode radar system deployed on the US Navy MH-60R helicopter. Joseph was primarily responsible for developing the middleware, infrastructure, and Built In Test software aspects of the Radar Data Processor as well as Integration and Test support. He was involved in all phases of the software development lifecycle from defining requirements through system verification testing.

In 2012 Joseph lead the software effort on an IRAD to install the AN/APS-153 radar on a shipboard platform. Radar modifications included interfacing with a new platform-stabilized antenna pedestal using navigation data to compensate for the ship's motion. In 2014 Joseph contributed to the software efforts on a Science & Technology project to develop a new radar mode for the AN/APS-153 that interleaved a long-range search waveform with a wideband waveform in order to collect high-resolution radar signatures of large targets.

Joseph continues to support the AN/APS-153 product line as the lead software engineer. He is responsible for coordinating the efforts of the software team in addition to his own Principal level technical duties, which include generating new software releases for both the US Navy and Export variants of the radar system, as well as providing technical support to the system's production team.

OUTSTANDING STUDENT BRANCH AWARD



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*For exceptional efforts to
promote the electrical
engineering field among
its members & beyond*

The Stony Brook IEEE Student Branch strives to promote current innovations in the tech world to the students at Stony Brook University. We impact our student body through professional, social, academic and philanthropic events. A Welcome-Back BBQ brought in an attendance of 120 students and faculty to socialize & learn about IEEE.

A Pre-Conference Workshop allowed students to interact with professionals in their fields in preparation for job fairs and conferences. The company Freescale hosted a tech talk showcasing the latest microprocessors in industry. Review sessions for main computer and electrical engineering courses allow younger students to learn from their peers.

Our biannual Student-Professor Mixer allows students to interact with faculty and staff in a social environment building relationships outside of the classroom. Professors in the computer and electrical engineering departments come in to teach topics not found in the course curriculum such as PCB Design and FPGA's. We offer tutorials in Arduino, Github, Raspberry Pi and Object-Oriented C++. We participate in the Micromouse robot competition every year at the annual IEEE Region One Student Conference. In a collaborative philanthropic event called Bingo for Breast Cancer, members were able to raise money and awareness in a fun environment.

We are a close-knit community that encourages students to study and work on projects in our lab. All of this would have not been possible without help from the Stony Brook University College of Engineering and Applied Sciences as well as IEEE Long Island, which we give our thanks to.

IEEE LONG ISLAND SECTION VOLUNTEER AWARD



CHARLES A. PLECKAITIS
NORTHROP GRUMAN
(RETIRED)

For outstanding efforts and accomplishments in assisting members who seek employment

Charles has two Master's degrees: SYSTEM SCIENCE from Brooklyn Polytechnic University and Feedback Control Systems from NYU; BEE from Manhattan College. He retired in 2008 after 10.5 years as Director in Software Systems at the NYC Transit subways & buses. Worked on the automation of the NYC subway [CBTC] & the arrival train times at the stations. Responsible for Process Improvement via Capability Maturity Model/ISO9000 at NYC Transit.

Prior to that, he was a Sr. QA Specialist at American International Group in NYC utilizing automated testing techniques for their insurance products for two years. He was also a Senior Consultant & a Member of Technical Staff at AT&T Bell Labs worked on a Smart Grid project that utilized a bi-directional communication system that links a utility to its customers.

He has worked 11 years at the Grumman Corporation as a Senior Engineer & QA Analyst, then as Systems Project Leader working on Electronic Warfare Systems for the EA-6B & EF-111 and JSTARS Integration testing. Involved in the development of the advanced detection and jamming technologies for the JSTARS, EA-6B and EF-111 EW aircraft. He was a Senior Consultant; CALCULON/COMPUTER SCIENCES Corp. working first Ethernet for Artillery firing, as well as Staff Engineer; LOCKHEED ELECTRONICS CO. He worked on R&D for Navy Ships Radar while developing the initial Touch Flat Screens (Electroluminescent & Plasma).

In addition he served in the US Army Avionics Lab as Electronic Engineer for fourteen years. There he was working on the development of helicopter controls & displays. He also Taught as an Instructor in Reliability Analysis. He also worked at Bendix Corporation as Electronic Engineer testing the Guidance systems for moon landing and Polaris submarine for five years.



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Harris would like to congratulate the
2015 IEEE Long Island Section award recipient
for his contribution toward advancing
innovation and technical excellence.

Mr. Tommaso Vulpis

IEEE Region Award for outstanding technical
achievements in the design and development
of High Frequency Dielectric Resonator
Oscillators for satellite systems.



REGION 1 AWARD: TECHNICAL INNOVATION

TOMMASO A. VULPIS, HARRIS CORP.



For outstanding technical achievements in the design and development of high-frequency Dielectric Resonator Oscillators for satellite systems

As a design engineer in the RF/Microwave Engineering group in North Amityville, NY, Tommaso's primary function is to design analog, RF, microwave and millimeter-wave circuits and subsystems for defense and aerospace applications. His design experience spans a frequency range from DC to 183 GHz.

Being a circuit designer, he has a vast knowledge of computer aided design tools. He is an advanced user of Agilent Advanced Design System (ADS) which includes linear and nonlinear circuit level modeling and 2D method of moments analysis. Tommaso is also an advanced user of 3D finite element analysis tool HFSS, EmPro and CST Design Studio Suite.

Tommaso brings 21 years of experience to Harris. His aerospace experience started with designing discrete MIC low noise amplifiers for a high reliability special programs customer. He also designed MMIC phase shifters for the High Rate User Ka-Band Phased Array Antenna (HRUPAA). Tommaso designed microwave & millimeter-wave components and a radiometric receiver for the National Polar-Orbiting Environmental Satellite System (NPOESS) Conical Scanning Microwave Imager Sounder (CMIS) program. Tommaso also provided local oscillator solutions on the Global Precipitation Measurement (GPM) / Global Microwave Imager (GMI) and the NPOESS Advanced Tracking Microwave Sounder (ATMS) programs for NASA Goddard Space Flight Center. He received a special letter of appreciation from NASA Goddard for the successful performance of the High Frequency DRO-based Local Oscillators.

Tommaso is a member of the IEEE Microwave Theory and Techniques Society.

Tommaso holds a BSEE degree from Manhattan College in Riverdale, NY and a MSEE degree from NYU-Polytechnic School of Engineering in Brooklyn, NY.

REGION 1 AWARD TECHNICAL INNOVATION

JUSTIN MALONEY-HAHN, TELEPHONICS



For innovative Airborne Radar and IFF subsystem architectures for Size, Weight, and Power (SWaP) constrained applications

Justin Maloney-Hahn has 13 years of experience in Radar and IFF Systems Engineering at Telephonics Corporation. Throughout his Telephonics career, Justin has been lucky enough to work with the top technical primary and secondary Radar professionals in the world. His early career included design, integration, and test of IFF/MSSR systems. He worked on the Mode 5 IRAD and USAF programs that laid the foundation for the successful UPX-43/44 all-mode interrogator product line, with systems now deployed throughout the world.

He then began work on Telephonics' primary maritime surveillance Radar product line, where a bulk of his time has been spent as a systems engineer helping with new mode development for the US Navy's MH-60R Radar, the AN/APS-153(V)1. He assisted in requirements development, architectural trade studies, algorithm development, hardware/software integration, and developmental testing. Justin then returned to his IFF roots to serve as the lead systems engineer on the IFF Mode 5 upgrade program for the secondary surveillance Radar subsystem of the AN/APS-153(V)1.

Since 2012 he has served as the Advanced Systems Engineer on the multi-mode APS-143C(V)3 Radar product line, where he has supported a variety of international programs as a technical lead and data analyst. He has also contributed to a number of IRAD programs that are helping to define the future of Radar systems at Telephonics.

Justin graduated from Bucknell University with a Bachelor's Degree in Electrical Engineering and from Cornell University with a Master of Engineering Degree in Systems Engineering. Justin was presented with the IEEE Long Island Section "Outstanding Young Engineer" award in 2005. In his spare time, Justin enjoys home renovation, spending time with his wife and two daughters, and playing golf.

CONGRATULATIONS
2015 IEEE AWARD RECIPIENTS



Special Recognition

Michael F. Ciardullo



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Congratulates All of the Long Island IEEE Awardees

**For Their Many Contributions to the
Electrical Engineering Profession**

REGION 1 AWARD TECHNICAL INNOVATION

MICHAEL F. CIARDULLO, L-3 NARDA-MITEQ



For the development of innovative microwave components and subsystems for satellite communications and electronic warfare systems

Michael received the B.S. degree in Electrical Engineering from Binghamton University, New York in 2007 and the M.S. degree in Electrical Engineering from Columbia University, New York in 2009. He began at L-3 Narda-MITEQ as a summer intern in 2007 and came on board full-time in 2008 as an Engineer designing microwave and RF hardware for military and defense applications. He currently holds the title of Staff Engineer.

He has spent his time at L-3 Narda-MITEQ predominantly designing components and subsystems for major ground, air and naval based Satellite Communications and Electronic Warfare systems. Michael has led the development of an EW High Dynamic Range Dual Downconverter, a 2W 38GHz Transceiver, a 20W CDL-Band SSPA, and most recently, a Dual Channelizer Switched Filter Bank. He has been instrumental in the development of an EW Broadband Multi-Function Antenna Interface Module, and has provided critical system, RF and analog circuit designs for 10W X-Band, 20W Ku-Band, and 10W Ka-Band man-portable Satcom transceivers. He plays an integral part designing both at the system & component level, using system simulators as well as circuit design and full-wave 3D electromagnetic modeling tools to design components operating up to 40GHz.

In addition to his design contributions, Michael has also authored & presented a technical paper at L-3 Communications' corporate wide annual Engineering Technology Conference every year from 2009 to 2013.

Prior to working at L-3 Narda-MITEQ, Michael pursued an internship as a Test Engineer at Dayton T. Brown, where he performed EMC/EMI testing of high frequency electronics. He also spent several summers performing research in the Materials Science and Engineering Laboratory at SUNY Stony Brook.

Michael has been an IEEE member since 2008 and supports the Electrical Engineering community at Nassau Community College as a member of the Industry Advisory Board.

REGION 1 AWARD ENHANCEMENT OF THE RELATIONSHIP BETWEEN IEEE & INDUSTRY

M. NAZRUL ISLAM
FARMINGDALE STATE COLLEGE



For outstanding service to the IEEE Long Island Systems Applications and Technology (LISAT) Conference while serving as its Publications Chairman

Dr. M. Nazrul Islam is an Associate Professor and Chairman of the Security Systems Department at SUNY – Farmingdale. He has been in the academia since 1991 and worked at several renowned institutions, including Old Dominion University, University of South Alabama, University of West Florida, and Bangladesh University of Engineering and Technology.

Dr. Islam earned his B.S. and M.S. degrees in Electrical and Electronic Engineering from Bangladesh University of Engineering and Technology in 1991 and 1994, respectively. He then earned the Doctor of Engineering degree (equivalent to Ph.D.) from Muroran Institute of Technology, Japan in 1999.

His research interests include optical communication, wireless communication, digital image processing, security technologies and solid state devices. He has received a patent on Optical Pattern Recognition. He has published more than 150 publications in refereed journals and conference proceedings. He has successfully completed several research projects sponsored by different federal and private institutions, including US Army, National Science Foundation, and Department of Energy. He is serving as an Associate Editor of the Journal of Optics and Laser Technology, and also an Editor of the Journal of Mathematical Problems in Engineering. He has also been actively serving as the Reviewer of numerous journals and Member of the Program Committee of several international conferences.

He is a Senior Member of IEEE and a Senior Member of SPIE (Society of Optical Engineers). He is serving as Chair of the IEEE Long Island Section as well as the Chair of the Photonics Society and Membership Development Society. Dr. Islam also served as the Chair of the IEEE Bangladesh Section in 2003-2004 and Vice Chair in 2002.





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REGION 1 AWARD

ENHANCEMENT OF IEEE/ENGINEERING IMAGE WITH PUBLIC

WILLIAM F. WILKES



For creative outreach initiatives with retired engineers by encouraging the formation of senior engineer clubs

Bill completed his B.Ch.E. at Manhattan College, M. S. Marine Science/Ocean Engineering at LIU and had coursework toward PhD. in Materials Science at SUNY Stony Brook.

He worked at Electric Boat (Nuclear Power Engineer), Sperry and Fairchild Weston (Defense Systems Engineer), LIFT (Business Advisor) and IBM (Information Security Engineer). He also founded PFAI and CPS.

He has two patents, US7146569 (Visual Representation) and US7032244 (Identifying intruders). He worked projects from the Trieste deep-diving research bathyscaphe to Space Station Freedom.

He formed the IEEE-LI's Consultants Network followed by Employment Assistance Committee as well as the Business Start-UP committee. His goal was to help highly skilled engineers with good business sense offer their unique services to several companies simultaneously as consultants.

In 1990's Bill and a group of his friends spearheaded efforts to help engineers on the Island. He gave presentations at Hofstra University, Suffolk County Legislature and a congressional hearing in Washington, DC. They were able to formulate a plan and create the Center for Practical Solutions. The idea was to gather the unemployed defense engineers and work together to create new technology based products, services and companies.

As chair of the Professional and Industry Liaison Committee and Entrepreneurs Network, one plan was to use underutilized public space in exchange for volunteer maintenance effort and use the space to set up shared development facilities containing contributed tools, machinery, equipment, parts, supplies, material, components and documentation made available to interested citizens to learn and create. The first step was creating venues for engineers and others to meet, discuss, learn & plan, beginning with the Huntington Senior Engineers Club, followed with the Farmingdale State College Engineers Club.

REGION 1 AWARD

MANAGERIAL EXCELLENCE IN AN ENGINEERING ORGANIZATION

SHELDON BROWN, BAE SYSTEMS



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

Mr. Brown received his BEE and MEE degrees in 1958 and 1959 respectively from New York University. An MS in computer science from the New York Institute of Technology was received in 1989. He is presently a part-time consultant at BAE Systems in Greenlawn dealing mostly with IFF systems.

The start of his career in the defense electronics industry began with Sperry Gyroscope Company after completing active duty military service in the Army Signal Corps. There he worked as a development engineer on sonar systems for both surface ships and submarines. He rose to the position of senior engineer before joining Hazeltine Corporation in 1969 as a senior design engineer.

His career there progressed from senior design engineer to design supervisor to project engineer. Among the various programs that he participated in were cockpit displays for the F-4D/E fighter plane, displays for the AWACS reconnaissance plane, radio receivers for the P-3C reconnaissance plane, airborne MLS radio receiver and IFF systems for both surface and airborne applications.

The most recent project at BAE Systems dealt with airborne IFF interrogators for the US Navy. On this program, he managed the development, production, qualification and depot repair of three iterations of the airborne IFF interrogator employed on the E-2C airplane.

He has received the 50-year membership award from the IEEE and is presently a life member of the society.

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

CONGRATULATIONS

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IEEE LONG ISLAND SECTION SPECIAL AWARD

TESLA SCIENCE CENTER AT WARDENCLYFFE



The IEEE Long Island Section, commends the Tesla Science Center for its determination to stimulate innovation and so honor the prolific inventor, Nikola Tesla, through the creation of a world-class science, technology, and engineering educational facility and museum, and featuring the historic Wardenclyffe laboratory of the famed inventor as its centerpiece

The Tesla Science Center at Wardenclyffe, also known as Friends of Science East, Inc., a not-for-profit organization incorporated by the State of New York, was established with the specific purpose of developing a regional science and technology center on eastern Long Island. It is the plan of Friends of Science East, Inc. to be able to establish this center at the site of the former Nikola Tesla laboratory site in Shoreham, New York.

The historic significance of the Shoreham site presents a unique opportunity as it contains the only remaining laboratory where Tesla, the famous inventor of alternating current electricity and neon lighting, conducted



research. Tesla built a laboratory there in 1901 called Wardenclyffe which was designed by the renowned architect Stanford White in the Italianate style. He also had White design a huge tower to be used for the transmission of signals worldwide.

The tower was demolished in 1917, but the original laboratory building still stands, along with several other structures that were added by subsequent owners. This property seemed an interesting, if not ideal, site for a future science museum.

In August 2012, in collaboration with internet cartoonist Matt Inman (The Oatmeal.com) TSC launched an internet fundraising campaign that ultimately raised \$1.37 million and eventually, in May 2013, the organization succeeded in purchasing the property, including Wardenclyffe and the original tower base. Over the following several years, the group organized more than a hundred volunteers who systematically cleaned up the grounds outside of the buildings as the first phase of the huge restoration effort.



Efforts are continuing to restore the property and the laboratory. Cleanups of the debris and contamination in the buildings, historic research for restoration, fundraising to enable the work, and planning for the site are on-going activities. Special events are sometimes held on the grounds, and work is about to begin on a visitor center.

The Science and Technology Center and Museum will be a place dedicated to science education and to introducing visitors to the rich scientific opportunities on Long Island. This center and museum will complement the educational efforts of the schools within this region as well as the community outreach activities of other prominent science institutions. It will also look to provide possible space for fledgling companies engaged in scientific research.



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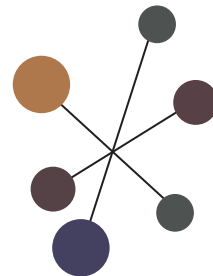
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ALEX GRUENWALD AWARD

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.

2015 John Schmidt	2008 Arthur Rossoff*	2001 Thomas A. Campbell	1994 Joel Snyder*
2014 Howard Hausman	2007 David Wolf	2000 Herman Fialkov*	1993 Robert Bruce
2013 Scott B. Abrams	2006 Daniel Rogers	1999 Eduardo F. Palacio	1992 Robert Barden
2012 Nikolaos Golas	2005 David Mesecher	1998 Peter Buitenkant	1991 Sheldon S.I. Chang
2011 Peter A. Eckstein	2004 Charles Rubenstein	1997 Eleanor Baum	1990 Donald Christiansen
2010 Santo Mazzola	2003 William Rooney	1996 Irwin Weitman*	1989 Donald L. Schilling
2009 James Colotti	2002 Babak Beheshti	1995 Stephen Barre	1988 Alexander Schure
			1987 John Truxal

ATHANASIOS PAPOULIS OUTSTANDING EDUCATOR 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 have demonstrated innovative teaching techniques. Athanasios Papoulis was a professor at Polytechnic University who was committed to promoting quality technical education on Long Island.

2015 Sleiman R. Ghorayeb	2012 Thomas Robertazzi	2009 Sina Rabbany	2006 Wendy K. Tang
2014 Sister Jane Carolyn Fritz	2011 Monica Bugallo	2007 Frank A. Cassara	2005 Kenneth Short
2013 Babak Beheshti	2010 John F. Hennings	2006 Serge Luryi	2004 Peter Voltz

CHARLES HIRSCH AWARD

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

2015 Stephen Buckley	2005 Peter Vanier	1995 Christopher Kaiteris	1985 Joseph Calviello
2014 Matthew P. Veccaro	2004 Raj Bridgelall	1994 Richard Kumpfbeck	1984 Richard Frazita
2013 John Smedley	2003 Bruce Willins	1993 Zdenek Adler	1983 E. J. Smith
2012 Eugene Feinberg	2002 Robert H. Pflieger	1992 Mathew Dwork	1982 Evelyn Berezin
2011 Kenneth Frank	2001 Javed Siddiqui	1991 Ronald Rudish	1981 John Stangel
2010 Thomas R. Neiland	2000 Gary Schay	1990 Sol Greenberg	1980 Enrico Levi
2009 David Mesecher	1999 Robert Pang	1989 George Sandler	1979 A.D. Alexandrovich
2008 Babak Beheshti	1998 Joseph T. Merenda	1988 Donald Grieco	1978 Richard LaRosa
2007 Yuri Okunev	1997 Donald Neuf	1987 Roderic Lowman	1977 Page Burr
2006 Aleksey Bolotnikov	1996 Peter McVeigh	1986 Stephen Shapiro	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.

2015 Alfred R. Lopez	2014 Velio Marsocci	2013 Roderic Lowman	2012 Henry Bachman	2011 Jesse Taub
-----------------------------	---------------------	---------------------	--------------------	-----------------

*Indicates Deceased

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 & Wheeler Labs, made many important technical contributions. He was a founding member of the IEEE Long Island Section.

2015 Scott Fisher	2008 Kenneth Schneider	2001 Gary R. Lomp	1994 William Rubin
2014 Kenneth J. Henrich	2007 Ralph B. James	2000 James Smith	1993 Alfred Lopez
2013 Walter Poggi	2006 Richard Klumpfbeck	1999 Yacov Shamash	1992 Leonard Kahn
2012 William Pawlowski	2005 Peter McVeigh	1998 Paul Richman	1991 Ivan Frisch
2011 Joseph Merenda	2004 Arie Kaufman	1997 Seymour Okwit	1990 Peter Hannan
2010 Bert Moskowitz	2003 Stanley Oken	1996 Henry Bachman	1989 Patrick Barry
2009 Veljko Radeka	2002 Edward M. Newman	1995 Jerome Swartz	1988 Frederic Salerno

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.

2015 Aydin Farajidavar	2009 Monica F. Bugallo	2003 Michael Sussich	1998 Wing C. Kwong
2014 Emre Salman	2008 Gabriella Carini	2002 Ronald J. Bajit	1997 Paul Eyring
2013 Rafael M. Perez	2006 David Hernandez	2001 Fatih M. Ozluturk	1995 Kenneth Aupperle
2012 Robert Schmid	2005 Justin Maloney-Hahn	2000 Scott Weiner	1994 Ynjiun Wang
2011 Adam S. Chalson	2004 Jonathan Garruba	1999 Raj Bridgelall	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.

2015 Telephonics Corporation	2012 Brookhaven National Laboratory
2014 Northrop Grumman Aerospace Systems	2011 Farmingdale State College
2013 The College of Engineering & Applied Sciences of Stony Brook University	2010 BAE Systems

OUTSTANDING STUDENT BRANCH 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.

2015 Farmingdale State College	2012 Hofstra University	2007 Stony Brook University
2014 Eta Kappa Nu Chapter of SUNY Stony Brook	2010 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.

2015 M. Nazrul Islam	2014 Victor G. Zourides	2013 Garry Z. Gu	2012 Matthew B. Nissen
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*Indicates Deceased

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

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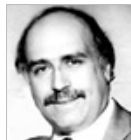
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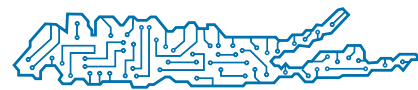
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