
1953-2018
65
IEEE
LONG ISLAND SECTION
IEEE
LONG ISLAND SECTION
20 BANQUET
AWARDS 18
CREST HOLLOW COUNTRY CLUB, WOODBURY, NY • MARCH 22, 2018

IEEE | LONG ISLAND SECTION

20 BANQUET AWARDS 18

THURSDAY, MARCH 22, 2018
CREST HOLLOW COUNTRY CLUB,
WOODBURY, NEW YORK

5:30 - 7:00 PM	GUEST ARRIVAL, HORS D'OEUVRES
7:00 - 7:10 PM	CALL TO ORDER
7:10 - 7:25 PM	KEYNOTE ADDRESS
7:25 - 7:35 PM	IEEE LI OFFICER RECOGNITION AWARDS
7:35 - 8:00 PM	**LONG ISLAND SECTION AWARDS**
	ALEX GRUENWALD AWARD **Mr. Jesse Taub,** *CONSULTANT*
	ATHANASIOS PAPOULIS OUTSTANDING EDUCATOR AWARD **Prof. Marjaneh Issapour,** *FARMINGDALE STATE COLLEGE*
	CHARLES HIRSCH AWARD **Dr. Gianluigi DeGeronimo,** *STONY BROOK UNIVERSITY*
	LIFETIME ACHIEVEMENT AWARD **Dr. Yacov A. Shamash,** *STONY BROOK UNIVERSITY*
	OUTSTANDING YOUNG ENGINEER AWARD **Dr. Fan Ye,** *STONY BROOK UNIVERSITY*
	HAROLD WHEELER AWARD **Mr. Craig R. Consiglio,** *HARRIS CORPORATION*
	OUTSTANDING VOLUNTEER OF THE YEAR AWARD **Mr. James Colotti**, *TELEPHONICS CORPORATION*
	VELIO MARSOCCI OUTSTANDING STUDENT BRANCH AWARD **NY Institute of Technology Student Branch**
	LI SECTION ORGANIZATION OF THE YEAR AWARD - **New York Institute of Technology** - **Applied Visons**
8:00 - 8:50 PM	DINNER, PHOTO SESSION
8:50 - 8:55 PM	MTT-S OUTSTANDING CHAPTER AWARD **MTT Society Long Island Chapter**
8:55 - 9:15 PM	**REGION 1 AWARDS** **Mr. Robert Bonino**, *BAE SYSTEMS* **Mr. Carl Muhlbauer**, *BAE SYSTEMS* **Mr. Thomas Zaniello**, *TELEPHONICS* **Mr. Matthew P. Vaccaro**, *TELEPHONICS* **Mr. Frederick M. Kruger**, *CONSULTANT* **Mr. Victor G. Zourides**, *NORTHROP GRUMMAN (RETIRED)*
9:10 - 9:15 PM	CLOSING REMARKS
9:15 - 9:30 PM	DESSERT

AWARDS BANQUET PROGRAM

EDITOR:
James Colotti

GRAPHIC DESIGN:
Anthony Giresi

ADVISORS:
Lou D'Onofrio
Nikolaos Golas
M. Nazrul Islam
Santo Mazzola

KEYNOTE ADDRESS

HENRY C. FOLEY, PH.D
PRESIDENT, NEW YORK INSTITUTE OF TECHNOLOGY (NYIT)

IT'S HARD TO MAKE PREDICTIONS, ESPECIALLY ABOUT THE FUTURE

NYIT
NEW YORK INSTITUTE OF TECHNOLOGY

Henry C. "Hank" Foley, Ph.D., is the fourth president of New York Institute of Technology (NYIT). He joined the university in June 2017 after serving as interim chancellor of the University of Missouri-Columbia. Dr. Foley earned a Bachelor's degree in Chemistry at Providence College, a Master's degree in Chemistry from Purdue University, and Doctorate in Physical and Inorganic Chemistry from Penn State.

He has held faculty appointments in Chemistry and Chemical Engineering at MU, Penn State, and the University of Delaware. An accomplished researcher who has dedicated more than 30 years to advancing the study of nanotechnology, Dr. Foley holds 16 patents, has written more than 150 articles and a textbook, and has mentored nearly 50 undergraduate and graduate thesis students.

IEEE
Advancing Technology for Humanity

Good evening. It is my honor to welcome you to the **65th Annual IEEE Long Island Section Awards Banquet**. The IEEE is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. The Long Island Section is the largest Engineering Society on Long Island.

Tonight, we are extremely fortunate to have a very distinguished Keynote Speaker, **Dr. Hank Foley**, ***the President of New York Institute of Technology***. Hank's keynote speech is titled: "*It's Hard to Make Predictions, Especially about the Future.*"

I would like to thank all of those who helped to prepare for the Banquet tonight. The **Awards Nominating Committee** has done an excellent job of identifying truly deserving Awardees, and the **Awards Banquet Committee** has spent many hours in preparing tonight's event.

I would also like to take this opportunity to thank all of the various organizations who, through their sponsorships and advertisements, have supported for years the IEEE Long Island Section Annual Awards Banquet. The Section is proud of its collaboration and partnership with many premier companies, organizations, and educational institutions, many of which participate in this grand affair each year. The Awards Banquet is an excellent opportunity to network with these Engineering professionals.

Tonight, we are going to recognize the accomplishments of some extraordinary Engineers, who contributed significantly towards the growth of the LI Section and the IEEE Region 1. There are ten Long Island Section Awards, and six Region 1 Awards for accomplishments in several different categories. Congratulations to each of the Awardees.

I hope that they will continue their excellence in enhancing the technological development of society. The strength of the IEEE Long Island Section comes from its volunteer members who offer their valuable time and effort to provide value to our membership. There are several significant events that will be held this year. The **Region 1 Student Conference** at NYIT starts tomorrow. The **Microwave Theory & Techniques Society** is sponsoring a symposium on April 5th. **The Long Island Systems, Applications, and Technology Conference (LISAT)** will be held at Farmingdale State College on May 4th.

Our **Historical Milestone Committee** is planning the dedication ceremony to commemorate the "*The First Two-Dimensional Magnetic Resonance Image (MRI)*" historical milestone. The first MRI images were produced in 1973 by Dr. Paul Lauterbur at Stony Brook. This event will be held at Stony Brook University's new MART building in September. Our Section has had previously approved IEEE Historical Milestones for the Grumman Lunar Module and the James Doolittle First Blind Flight.

I would encourage everyone to check the IEEE Long Island Section website to stay informed of other seminars, lectures, and events that will be held this year. Finally, I would like to thank the Crest Hollow Country Club for providing this wonderful venue. It is my pleasure to thank you all for coming and I hope that you will enjoy the Awards Banquet.

Louis D'Onofrio
2018 Chair, IEEE Long Island Section

2018 SECTION OFFICERS

CHAIR: Lou D'Onofrio
1st VICE CHAIR: James Colotti
2nd VICE CHAIR: Howard Edelman
TREASURER: Santo Mazzola
SECRETARY: Lorenzo LoMonte
JUNIOR PAST CHAIR: Marjaneh Issapour
SENIOR PAST CHAIR: M. Nazrul Islam

EX OFFICIO OFFICERS

REGION 1 DIRECTOR: Babak Beheshti
METSAC CHAIR: Adriaan van Wijngaarden
SOUTHERN AREA CHAIR: Wilson Newman

STUDENT BRANCH OFFICERS

HOFSTRA UNIVERSITY
PRESIDENT: Caitlin Burgess
VICE PRESIDENT: Raymond Toncich

FARMINGDALE STATE COLLEGE
PRESIDENT: Steven Mazza
TREASURER: Montana Musillo

NEW YORK INSTITUTE OF TECHNOLOGY
PRESIDENT: Alexander Duong, Kayla Ho
VICE PRESIDENT: Nicholas Passaretti

STONY BROOK UNIVERSITY
PRESIDENT: James Martino
VICE PRESIDENT: Tashiem Jameel

SPECIAL THANKS TO OUR AWARDS NOMINATION COMMITTEE

Jesse Taub, CHAIR
Nikolaos Golas, VICE CHAIR
Monica Bugallo
Shaorui Li
Santo Mazzola
Daniel Rogers
John Schmidt

IEEE LONG ISLAND SECTION

SOCIETY CHAPTER OFFICERS

AEROSPACE AND ELECTRONICS SYSTEMS
CHAIR: Dave Mesecher

ANTENNAS & PROPAGATION
CHAIR: Bryan Tropper

CIRCUITS AND SYSTEMS
CHAIR: James Colotti
VICE CHAIR: Alberto de Leon

COMMUNICATIONS
CHAIR: Lawrence Hausman
VICE CHAIR: Arnold Stillman

COMPUTER
CHAIR: Barbara Porter

ELECTROMAGNETIC COMPATIBILITY
CHAIR: Don Lerner
VICE CHAIR: Santo Mazzola

ENGINEERING IN MEDICINE & BIOLOGY
CHAIR: James Voulgarakis
VICE CHAIR: Glenn Luchen

INSTRUMENTATION & MEASUREMENT
CHAIR: Joe Jordan
VICE CHAIR: Ephraim Adeola

MICROWAVE THEORY & TECHNIQUES
CHAIR: Saikumar Padmanabhan
VICE CHAIR: Eric Darvin

NUCLEAR & PLASMA SCIENCES
CHAIR: Shaorui Li
VICE CHAIR: Graham Smith

PHOTONICS
CHAIR: Adam Filios
VICE CHAIR: M. Nazrul Islam

POWER & ENERGY/ INDUSTRY APPLICATIONS
CHAIR: Rob Schmid
VICE CHAIR: Alberto de Leon

POWER ELECTRONICS
CHAIR: Ronald DeLuca
VICE CHAIR: Predrag Hadzibabic

PRODUCT SAFETY ENGINEERING
CHAIR: John Tedesco

SIGNAL PROCESSING
CHAIR: Jessica Donaldson
VICE CHAIR: Rhonda Green

SOCIAL IMPLICATIONS OF TECHNOLOGY
CHAIR: Howard Edelman
VICE CHAIR: John Vodopia

SYSTEMS COUNCIL
CHAIR: Stephanie White

TECH. MANAGEMENT COUNCIL
CHAIR: Brian Quinn

ACTIVITY AND AFFINITY OFFICERS

AWARDS COMMITTEE
CHAIR: Jesse Taub
VICE CHAIR: Nikolaos Golas

EDUCATIONAL ACTIVITIES
CHAIR: Marjaneh Issapour

EMPLOYMENT ASSISTANCE
CHAIR: Charles Pleckaitis

ENGINEERS' CLUB
CHAIR: William Wilkes
VICE CHAIR: Charles Pleckaitis

ENTREPRENEURS NETWORK
CHAIR: William Wilkes
VICE CHAIR: Charles Pleckaitis

HISTORICAL MILESTONES
CHAIR: Victor Zourides

HISTORY COMMITTEE
CHAIR: Jesse Taub
VICE CHAIR: Nikolaos Golas

LEGAL AFFAIRS
CHAIR: John Vodopia

LIFE MEMBER AFFINITY GROUP
CHAIR: Don Grieco
VICE CHAIR: William Wilkes

LISAT CONFERENCE
CHAIR: Charles Rubenstein
CO-CHAIR: Dan Rogers

LI CONSULTANTS NETWORK
CHAIR: John Dunn
VICE CHAIR: Peter Buitenkant

MEMBERSHIP DEVELOPMENT
CHAIR: Carl Meshenberg
VICE CHAIR: Nikolaos Golas, Lou D'Onofrio

PACE
CHAIR: Nikolaos Golas
VICE CHAIR: Ahmad Haque

PROFESSIONAL SOCIETY AND INDUSTRY LIAISON
CHAIR: William Wilkes
VICE CHAIR: Charles Pleckaitis

PUBLIC RELATIONS
CHAIR: John Peterson

PULSE NEWSLETTER
EDITOR: Nikolaos Golas
GRAPHIC DESIGNER: Anthony Giresi

STUDENT ACTIVITIES
CHAIR: Glenn Luchen

WEBMASTERS
James Colotti, John Schmidt, David Pinkowitz

WOMAN IN ENGINEERING
CHAIR: Mihaela Radu
VICE CHAIR: Lyubov Kn-Renselaer

YOUNG PROFESSIONALS
CHAIR: Neil Ramos

2017 SECTION OFFICERS

CHAIR: Marjaneh Issapour
1st VICE CHAIR: Lou D'Onofrio
2nd VICE CHAIR: James Colotti
TREASURER: Santo Mazzola
SECRETARY: Alberto de Leon
JUNIOR PAST CHAIR: M. Nazrul Islam
SENIOR PAST CHAIR: John Vodopia

EX OFFICIO OFFICERS

REGION 1 DIRECTOR: Ron Tabroff
METSAC CHAIR: Sandy Mazzola
SOUTHERN AREA CHAIR: Ralph Wyndrum

STUDENT BRANCH OFFICERS

HOFSTRA UNIVERSITY
PRESIDENT: Caitlin Burgess
VICE PRESIDENT: Raymond Toncich

FARMINGDALE STATE COLLEGE
PRESIDENT: Pasquale Gambino
TREASURER: Steven Mazza

NEW YORK INSTITUTE OF TECHNOLOGY
PRESIDENT: Alexander Duong
VICE PRESIDENT: Kayla Ho

STONY BROOK UNIVERSITY
PRESIDENT: Dennis Sosa
VICE PRESIDENT: James Martino

SPECIAL THANKS TO OUR 2018 AWARDS BANQUET COORDINATING COMMITTEE

Nikolaos Golas,
BANQUET COORDINATOR

James Colotti
Lou D'Onofrio
Howard Edelman
M. Nazrul Islam
Marjaneh Issapour
Lorenzo LoMonte
Santo Mazzola
David C. Pinkowitz
John Schmidt

SOCIETY CHAPTER OFFICERS

AEROSPACE & ELECTRONICS SYSTEMS
CHAIR: Dave Mesecher

ANTENNAS & PROPAGATION
CHAIR: Bryan Tropper
VICE CHAIR: Sandy Mazzola

CIRCUITS AND SYSTEMS
CHAIR: James Colotti
VICE CHAIR: Alberto de Leon

COMMUNICATIONS
CHAIR: Lawrence Hausman
VICE CHAIR: Arnold Stillman

COMPUTER
CHAIR: Metodi Filipov
VICE CHAIR: Davor Dokonal
VICE CHAIR: Barbara Porter

ELECTROMAGNETIC COMPATIBILITY
CHAIR: Santo Mazzola
VICE CHAIR: Robert DeLisi

ENGINEERING IN MEDICINE & BIOLOGY
CHAIR: James Voulgarakis
VICE CHAIR: Glenn Luchen

INSTRUMENTATION & MEASUREMENT
CHAIR: Joe Jordan
VICE CHAIR: Ephraim Adeola

MICROWAVE THEORY & TECHNIQUES
CHAIR: Saikumar Padmanabhan
VICE CHAIR: Eric Darvin

NUCLEAR & PLASMA SCIENCES
CHAIR: Shaorui Li
VICE CHAIR: Graham Smith

PHOTONICS
CHAIR: Adam Filios
VICE CHAIR: M. Nazrul Islam

POWER & ENERGY/ INDUSTRY APPLICATIONS
CHAIR: Greg Sachs
VICE CHAIR: Rob Schmid

POWER ELECTRONICS
CHAIR: Ronald DeLuca
VICE CHAIR: Predrag Hadzibabic

PRODUCT SAFETY ENGINEERING
CHAIR: John Tedesco
VICE CHAIR: Glen Luchen

SIGNAL PROCESSING
CHAIR: Jessica Donaldson
VICE CHAIR: Rhonda Green

SOCIAL IMPLICATIONS OF TECHNOLOGY
CHAIR: Howard Edelman
VICE CHAIR: John Vodopia

SYSTEMS COUNCIL
CHAIR: Stephanie White

TECH. MANAGEMENT COUNCIL
CHAIR: Brian Quinn

ACTIVITY AND AFFINITY OFFICERS

AWARDS COMMITTEE
CHAIR: Jesse Taub
VICE CHAIR: Nikolaos Golas

LONG ISLAND CONSULTANTS NETWORK
CHAIR: John Dunn
VICE CHAIR: Peter Buitenkant

EDUCATIONAL ACTIVITIES
CHAIR: Marjaneh Issapour

EMPLOYMENT ASSISTANCE
CHAIR: Charles Pleckaitis

YOUNG PROFESSIONALS
CHAIR: Rob Schmid

HISTORIAN
CHAIR: Jesse Taub
VICE CHAIR: Nikolaos Golas

LEGAL AFFAIRS
CHAIR: John Vodopia

LIFE MEMBER AFFINITY GROUP
CHAIR: Don Grieco
VICE CHAIR: Victor Zourides

LISAT CONFERENCE
CHAIR: Charles Rubenstein
CO-CHAIR: Dan Rogers

MEMBERSHIP DEVELOPMENT
CHAIR: Carl Meshenberg
VICE CHAIR: Lou D'Onofrio

PACE
CHAIR: Nikolaos Golas
VICE CHAIR: Ahmad Haque

PROFESSIONAL SOCIETY AND INDUSTRY LIAISON
CHAIR: William Wilkes
VICE CHAIR: Charles Pleckaitis

PUBLIC RELATIONS
CHAIR: John Peterson

PULSE NEWSLETTER
EDITOR: Davor Dokonal
GRAPHIC DESIGNER: Anthony Giresi

STUDENT ACTIVITIES
CHAIR: Glenn Luchen

WEBMASTERS
Davor Dokonal, Metodi Filipov, David Pinkowitz

WOMAN IN ENGINEERING
CHAIR: Mihaela Radu
VICE CHAIR: Lyubov Kn-Renselaer

IEEE LISAT2018

Advancing Technology for Humanity

Congratulations to All Awardees

Farmingdale State College

Proud Sponsor of the

2018 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.

180209

farmingdale.edu

Farmingdale State College
State University of New York

IEEE LI SECTION ATHANASIOS PAPOULIS OUTSTANDING EDUCATOR AWARD

For noteworthy contributions to renewable energy, data communications and STEM education

MARJANEH ISSAPOUR

Farmingdale State College

Marjaneh Issapour has been a Professor for over 27 years at Farmingdale State College, where she teaches courses in the Department of Electrical Engineering Technology and designed the networking laboratory, as well as developed the Computer Applications course. She received the "Chancellor's Award for Excellence in Teaching Service" in 2007.

Farmingdale State College
State University of New York

Prior to teaching, Professor Issapour designed and implemented new technologies in networking operating systems for NEC America Inc. She is a licensed Certified Cisco Network Associate (CCNA) Certified Cisco Academy Instructor (CCAI), and Certified NetWare Administrator (CNA). Her research focuses on integration of hands on and applied learning elements to enhance teaching and learning in STEM. She has experience with embedded system design, data communication and networking, as well as renewable energy generation systems.

Since 2012, Professor Issapour co-chaired the International Energy and Sustainability Conference. She has also written many publications on the topic of renewable energy sources and energy conservation for these conferences and journals, including the American Institute of Physics. Her honors include the R.W Chasman award for Women in Science from the Brookhaven National Laboratory, the New Faculty Development Award from Farmingdale State, and Outstanding Achievement and Dedication Award from Stony Brook University.

She is currently the Director of the Renewable Energy and Sustainability Center at Farmingdale State College, which offers courses for professionals in the local industry. Professor Issapour is also a member of the Manufacturing & Technology Resource Consortium (MTRC) Advisory Board, Farmingdale State College's representative at Engineering Joint Commission of Long Island (EJCLI), was the 2017 Chair of the IEEE Long Island Section. She was recognized by the NYS Society of Professional Engineers Suffolk County Chapter for excellence in leadership and performance as a professional engineer in education (2015). She is the IEEE's Region 1 Educational Activities Chair (2018) and is FSC's representative for Long Island Regional Advisory Council on Higher Education (LIRACHE).

IEEE LI SECTION ALEX GRUENWALD AWARD

For outstanding contributions to the Long Island Section for many years as IEEE Long Island Section Awards Chair and Historian

JESSE TAUB Consultant

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

He has been a member of the IEEE for 70 years, joining as a Student Member and becoming a Fellow in 1967. He has been active in the IEEE Microwave Theory and Techniques Society, serving on its Administrative, Technical Program and Editorial Review Committees. He was the Technical Program Co-Chair of the 1976 and 1988 International Microwave Symposiums. He currently is the LI Section's Awards Committee Chairman and is on the LISAT Technical Program Committee, Co-Chair. Mr. Taub is the LI Section's Historian and also contributes and edits articles on historical topics for ***The Pulse***.

He has received several IEEE awards including the 1984 Centennial and the Third Millennium Medals in 2000; IEEE USA Division Leadership; two Region 1 Awards, one is the William Terry Distinguished Service Award and the other for contributions to LISAT. AIL presented him with the Fowler Award for Outstanding Achievements in Engineering.

IEEE LONG ISLAND SECTION

IEEE LI SECTION LIFETIME ACHIEVEMENT AWARD

For seminal contributions to economic development and engineering education on Long Island

YACOV A. SHAMASH

Stony Brook University

As the Vice President for Economic Development at Stony Brook University, Dr. Shamash supervises the University's four incubators, three NYS Centers for Advanced Technology, two NYS Centers of Excellence, the Small Business Development Center, and the workforce development programs of the Center for Emerging Technologies.

In 1995, Dr. Shamash led SUNY's colleges of engineering to create the statewide Strategic Partnership for Industrial Resurgence (SPIR) program. Stony Brook's cumulative results include more than 3,100 projects completed with more than 490 companies, helping company partners win more than $105.9 million in competitive federal awards.

During the period from 1992 to 2015 Dr. Shamash served as Dean of the College of Engineering and Applied Sciences at Stony Brook University. Under his leadership, the College expanded from 1500 to over 5000 students with average SAT scores of entering undergraduate students increasing from 1150 to 1343, and external research expenditures increasing six fold to more than $30 million per year.

Prior to joining SUNY Stony Brook in 1992, Dr. Shamash served as the Director of the School of Electrical Engineering and Computer Science at Washington State University where he established the National Science Foundation Industry/University Center for the Design of Analog/Digital Integrated Circuits.

Dr. Shamash has also held faculty positions at Florida Atlantic University, the University of Pennsylvania and Tel Aviv University. He received his undergraduate and graduate degrees from Imperial College of Science and Technology in London, England. He has authored more than 130 publications and is a Fellow of the IEEE.

IEEE LI SECTION CHARLES HIRSCH AWARD

For extraordinary contributions to state-of-the-art micro-electronics that have resulted in advanced radiation detectors used throughout the world

GIANLUIGI DeGERONIMO

Stony Brook University

Dr. Gianluigi De Geronimo received his M.S. and Ph.D. from the Electronics and Communications Department of Milan Polytechnic, Italy, in 1993 and 1997. In September 1997 he joined the Instrumentation Division of Brookhaven National Laboratory in Long Island, where he specialized in the design of state-of-the-art low-noise integrated circuits for radiation detectors. He grew from Assistant to Scientist with Tenure and head of the Microelectronics team, composed of several talented electronics engineers. He successfully developed many advanced low-noise mixed-signal Application-Specific Integrated Circuits implementing innovative configurations and frequently achieving record performances. His circuits are used in numerous research & commercial instruments for a wide range of applications in medical imaging, space, security, defense, and physics research.

Dr. De Geronimo is also an Adjunct Professor with the Electrical and Computer Engineering Department at Stony Brook University, where he has been teaching a graduate course in microelectronics for sensors. Several of his students joined his Microelectronics team and performed their Ph.D. thesis under his advisory.

In September 2016, Dr. De Geronimo resigned from BNL and became a consultant for various institutions and industries. He also joined the Nuclear Engineering and Radiological Sciences Department at the University of Michigan as an Adjunct Research Scientist.

Dr. De Geronimo is co-author of over 130 scientific publications and two book chapters and holds 20 patents and records of invention. He is the editor for the IEEE Transactions on Nuclear Science and reviewer for various journals and government institutions. He is the recipient of the 2008 BNL Science and Technology Award, 2009, 2011, and 2014 R&D 100 Awards, 2012 CSIRO Award, & 2012 Battelle Inventor of the Year Award.

Gianluigi De Geronimo is married to Marcella and they have three wonderful children, Federico (18), Francesca (16), and Giovanni (13).

IEEE LI SECTION HAROLD WHEELER AWARD

For managerial leadership in the development, implementation and demonstration of Next Generation Light Weight (LW) Jammer systems

CRAIG R.CONSIGLIO

Harris Corporation

Craig Consiglio is the Department Manager for the Digital Engineering Group at Harris Corporation in Amityville NY. Mr. Consiglio has over 35 years of progressive engineering design and management experience encompassing a diverse background in both Military and Commercial sectors. Craig's prime responsibility is managing, directing and providing technical expertise to highly skilled teams, designing mission critical products from concept definition through full production.

Craig has extensive experience in the design, development, management and integration of advanced Light-Weight Exciter systems and EW Receivers for Airborne Electronic Attack (AEA) applications, specifically the ALQ-99 UEU Jammer Subsystem for the Navy's EA-6B and EA-18G aircrafts and the ALQ-161 Self Protect Electronic Countermeasures on the USAF B-1B bomber. His expertise in Light-Weight EW Jamming Systems utilize digital design based techniques for ECM signal generation and characterization, involving the use of electromagnetic spectrum or directed energy to control the spectrum to attack an enemy or impede enemy assaults.

Craig received his MBA from Dowling College, Oakdale, NY, and a BSEE degree from New York Institute of Technology, Old Westbury, NY. He has two U.S. patents: Direct Digital Synthesizer with High Resolution Tracker [Patent: 5,963,607] and Shaped Digital Noise Signal Generator And Method [Patent: 5,592,587] and he is a member of the IEEE.

Earlier in his career at AIL in Deer Park, Craig was Senior Project Engineer experienced in ASIC and FPGA digital designs. His collaborative efforts lead to the successful demonstration of a "first of a kind" digital modulation subsystem utilizing Direct Digital Synthesis technology. Craig also worked for Brookhaven National Laboratory, Upton, N.Y as Sub-system Manager, coordinating design and integration activities on the STAR Relativistic Heavy Ion Collider, and at G.E. Security, Hickory N.C., as Assistant Director of Operations managing daily activities developing and manufacturing Fiber Optic Video communication Systems for Commercial and Aerospace applications.

IEEE LI SECTION OUTSTANDING YOUNG ENGINEER AWARD

For contribution to sensor networks and indoor floor mapping technologies

FAN YE

Stony Brook University

Dr. Fan Ye received his Ph.D. from the Computer Science Department of UCLA in 2004 and then joined IBM T. J. Watson Research Center as a Research Staff Member. Currently he is an Assistant Professor in the Electrical and Computer Engineering (ECE) department of Stony Brook University.

His research interests include mobile sensing platforms, systems and applications (location based services, health) Internet-of-Things, edge computing, wireless and sensor networks. He has published over ninety peer reviewed papers that have received over 9000 citations according to Google Scholar.

He has 26 granted/pending US and international patents/applications. He was the co-chair for the Mobile Computing Professional Interests Community at IBM Watson for two years. He has received the NSF CAREER award, Google Faculty Research Award, IBM Research Division Award, 5 Invention Achievement Plateau awards, Best Paper Award for International Conference on Parallel Computing 2008.

He has served as panelist for NSF and Canada, Hong Kong government funding agencies, on program/organizing committees for conferences including ACM Mobicom, ACM Sensys & IEEE Infocom.

IEEE LONG ISLAND SECTION

IEEE LI SECTION ORGANIZAION OF THE YEAR AWARD

For contributions to LI's professional, engineering and scientific community & education through engagements with IEEE and for contributions toward enhancements in the field of computer security

APPLIED VISIONS

Applied Visions (AVI) is a software engineering firm focused on creating solutions that solve complex problems and drive business growth for its clients. AVI provides innovative solutions in cyber security, business applications, commercial products and services, mobility, and internet of things systems. AVI serves government and commercial customers worldwide.

AVI develops for a variety of sectors, applying the expertise of its dedicated team of engineers, researchers, product developers, and interaction designers to create a wide range of solutions. AVI has created award-winning commercial software products for leading technology companies, and has applied software and visual design in innovative ways to address critical operational needs for our defense, homeland security, and intelligence services.

The company's Secure Decisions division represents leading-edge thinking in using visualization for national security, including information assurance, infrastructure protection, application security, and intelligence analysis – helping decision-makers make sense of things with visual tools to analyze massive amount of data, creating deeper understanding and enabling timely decisions.

AVI's Software Design Solutions (SDS) subsidiary specializes in embedded systems design and Internet of Things development. Combining the disciplines of electrical engineering, software/firmware engineering, and mechanical design, SDS produces intelligent products and control systems for a variety of industries including medical equipment, retail, manufacturing, and industrial control systems. AVI's work has earned both industry and government recognition for quality, innovation, and ease-of-use.

appliedvisions

IEEE LI SECTION ORGANIZAION OF THE YEAR AWARD

For sustained financial and material support of the IEEE Long Island Section's mission in delivering benefits, activities, events, and other engaging experiences for its member

NEW YORK INSTITUTE OF TECHNOLOGY (NYIT)

New York Institute of Technology (NYIT), established in the State of New York (USA) in 1955, is an independent, co-educational, comprehensive, not-for-profit institution of higher education.

It serves a student population of 10,000 students worldwide through undergraduate and graduate programs offered at the Schools of Architecture and Design, Engineering and Computing Sciences, Health Professions, Management, and the Colleges of Osteopathic Medicine, Arts and Sciences, & Interdisciplinary Studies and Education.

NYIT School of Engineering & Computing Sciences

New York Institute of Technology has earned an international and national reputation for excellence. It has been recognized, for the 19th consecutive year, as a top regional University by U.S. News and World Report.

New York Institute of Technology has 3 campuses in the United States, in Old Westbury, Long Island and Manhattan, New York, Jonesboro, Arkansas, and, through global campuses and collaborations, offers programs in the Middle East, Canada, and China.

IEEE LI SECTION OUTSTANDING VOLUNTEER OF THE YEAR AWARD

For major contributions to the IEEE LI Section including organizing engineering networking events and his efforts to make the Microwave and Power Electronics one-day symposia successful

JAMES COLOTTI TELEPHONICS CORPORATION

James Colotti is a Staff Engineer for Telephonics in Farmingdale, Long Island. His recent efforts include receiver and modulator design for small form-factor Identification Friend or Foe (IFF) and Air Traffic Control (ATC) Systems. Mr. Colotti was involved in design efforts for the AN/APS-153 Multi-Mode Radar (MMR) which is now in production. On the MMR, he was responsible for designing a 1 kW L-Band IFF Receiver/Transmitter, the power and signal distribution systems, miscellaneous analog circuits and the EMI/EMC/TEMPEST.

James was also involved in various analog design functions including: High & Low Voltage Power Supplies, high-speed/high-current backplanes, high-speed/high-resolution ADCs/DACs & analog processing.

TELEPHONICS® Trusted Technology for a Tactical Advantage A Griffon Company

In 2004, Mr. Colotti received the IEEE Region 1 Award for New Technical Concepts. This Award cited the development of co-location techniques, which extend the capabilities of printed circuit board technologies. In 2009, he received the Alex Gruenwald Award for his ongoing contributions to the IEEE. James was Chairman of the Microwave Theory and Techniques Society and the Product Safety Engineering Society, and now chairs the Circuits and Systems Society of the IEEE Long Island Section. Throughout his career, James published articles covering analog topics including power converters, digital-to-analog conversion, analog-to-digital conversion and receiver design. He also presented lectures at various venues including LISAT, the IEEE EMC society, the IEEE Adaptive Antenna Systems Symposium and the RF Expo East.

James graduated from Polytechnic Institute with a BSEE. He holds two patents, is a senior member of the IEEE, and is a certified Electromagnetic Compatibility Engineer by the National Association of Telecommunications Engineers (NARTE). In his spare time, James enjoys tennis, traveling, listening to music (of many genres), skiing and bicycling.

IEEE LONG ISLAND SECTION VELIO MARSOCCI OUTSTANDING STUDENT BRANCH AWARD

For encouraging elementary and high school students to study Science and Technology and for hosting the upcoming 2018 IEEE Region 1 Student Conference

NYIT IEEE STUDENT BRANCH EXECUTIVE BOARD

Chair: Alexander Duong
Co-Chair: Kayla Ho
Vice Chair: Nicholas Passaretti
Treasurer: Michael Vangi
Secretary: Adam Carerro

NEW YORK INSTITUTE OF TECHNOLOGY (NYIT) STUDENT BRANCH

The NYIT IEEE Student Branch is a community of aspiring engineers dedicated to making ideas into realities. Student ideas are incorporated into projects that benefit our campus, our society, and our members. We host workshops and participate in competitions to showcase the work of our students, and we volunteer in our community.

IEEE STUDENT BRANCH NYIT Old Westbury

Every semester, we host technical and professional development workshops to encourage our members to skills development and to find new passions. Technical workshops include robotics, mobile application development for iOS and Android devices, computer aided design, Professional development workshops include learning soft skills, networking, tools to jump start careers, and what it means to be an IEEE member. We also invite alumni, industry leaders, and our NYIT faculty to showcase their work and network with our students.

Our members compete at local and international levels, primarily in programming and robotics competitions. This year, we competed in IEEEXtreme 11.0, a 24-hour international programming competition, placing within the top 5 in Region 1. Our members also participate in the IEEE Region 1 Student Conference's MicroMouse challenge for which students design a robotic mouse that can autonomously navigate a field of unknown orientation.

Our members give presentations about IEEE and STEAM and attend STEAM showcases with elementary schools, middle schools, and high schools to encourage interest and participation. We also mentor local high school and middle school teams, as well as international teams in robotics. Our members are each other's champions, and always strive to make our community a better place. We would like to thank our champions, NYIT, NYIT School of Engineering and Computing Sciences, NYIT Student Government Association, IEEE Long Island Section, and our alumni sponsors for their continued support.

REGION 1 AWARD
TECHNICAL INNOVATION
(INDUSTRY & GOVERNMENT)

For outstanding technical achievements in the design and development of IFF Interrogator and Transponder systems

ROBERT BONINO
BAE Systems

Robert Bonino is a Principal Hardware Engineer in the C4ISR Intelligence Surveillance, and Reconnaissance division of BAE Systems, working in the Identification Friend or Foe (IFF) area. He has been in this position since 2007.

BAE SYSTEMS

In addition to hardware circuit development, Robert has taken a lead role in the firmware development of both Transponder and Combined Interrogator Transponder IFF products. This includes the Reduced Size Transponder (RST) which is a compact system capable of transmitting and receiving Mode 5, Mode S, and UAT squitters in addition to being a MKXII / Mode 5 transponder.

Prior to joining BAE, Robert was a Senior Engineer at Comtech PST. His work included hardware and software design of automated power amplifier test racks, software, and firmware development for the controls and critical operation of the full product line of both military and commercial amplifier products.

Robert holds a Bachelor of Science in Computer Engineering from Farmingdale State College. When not at work, Robert cares for his two children and enjoys both playing and coaching intramural sports.

REGION 1 AWARD
TECHNICAL INNOVATION
(INDUSTRY & GOVERNMENT)

For significant achievements in the design of Identification, Friend or Foe (IFF) digital hardware, firmware and system design

CARL MUHLBAUER
BAE Systems

Mr. Muhlbauer is currently a systems engineer at BAE Systems in Greenlawn, New York. He holds a Bachelor's degree in Electrical and Computer Engineering from Clarkson University and a Master's degree in Electrical Engineering from Polytechnic University. He has been a member of the IEEE since 2002.

He has over thirty eight years of experience in IFF system design. BAE SYSTEMS Starting with work on upgrades to legacy equipment such as the AN/TPX-50 interrogator, and later as the lead digital engineer on numerous equipment such as the AN/UPX-37 Interrogator and the AN/APX-111 Interrogator/Transponder.

1953-2018
IEEE LONG ISLAND SECTION

IEEE LISAT 2018

14TH ANNUAL IEEE LONG ISLAND SYSTEMS, APPLICATIONS AND TECHNOLOGY CONFERENCE

REGISTRATION & INFORMATION
www.ieee.li/lisat

FRIDAY, MAY 4, 2018

7:30 AM (sign-in) **8 AM start**

Farmingdale State College
State University of New York
ROUTE 110, FARMINGDALE, NY

THREE ALL-DAY PARALLEL TECHNICAL TRACKS

See LISAT website for updates regarding content: www.ieee.li/lisat

SYSTEMS | APPLICATIONS | TECHNOLOGY

PAST TECHNICAL TRACKS HAVE INCLUDED THE FOLLOWING TOPICS:

- Networking
- Wireless Sensors
- Quantum Computing
- Image Processing
- Signal Processing
- Energy and Cyber Security
- Micropower Sensor Networks
- Advanced Surveillance
- Nanomaterials
- Next Generation Health Care

CEU/PDH TRACK (6-HOUR)

0.2 CEU (2 PDH) credits available for each of the 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

Exhibits from Local OEMs, Manufacturers, Component Suppliers, Universities, Competition Winners, Local Associations and Professional Societies

IEEE DISTINGUSHED LECTURE & INVITED PRESENTATION TRACKS

IEEE DISTINGUISHED LECTURERS ARE RECOGNIZED EXPERTS IN THEIR FIELD. THIS YEAR WE ARE EXCITED TO HAVE THE FOLLOWING THREE IEEE DISTINGUISHED LECTURES AND THREE INVITED PRESENTATIONS:

LARRY CHASTEEN: National Missile Defense
FAWZI BEHMANN: Advancement of IoT and Impact on Future Healthcare and Wellness
ROBERT BALFOUR: Commercial and Military Applications of Real-Time Simulation
LORENZO LoMONTE: Radar and EW Technologies
WARREN AXELROD: Cyber security, Risk Management and Business Resiliency
MIRIAM RAFAILOVICH: Nanocomposites to Advanced Materials Engineering for Energy Applications, Interface Properties, and Nanocomposite Materials Technologies

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

REGION 1 AWARD
TECHNICAL INNOVATION
(INDUSTRY & GOVERNMENT)

For continuous innovation in integrating new software approaches to Radar and IFF embedded control systems

THOMAS ZANIELLO
Telephonics Corporation

Thomas Zaniello is a Principal Software Engineer in the Surveillance Systems division of Telephonics, currently working on the Identification Friend or Foe (IFF) product line. Having been with Telephonics since 1997, he has over 20 years of experience in Software Development.

Thomas is currently developing software for the SFF-44 Small Form Factor Identification Friend or Foe (IFF) Interrogator. Throughout his career at Telephonics he has developed software for both primary and secondary radar systems. Product lines include the AN/APX-153(V) Multi-mode Radar and the UPX-43 IFF Interrogator. In addition he has also developed software for ground surveillance systems such as the ARSS man portable Doppler radar and for Air Traffic Control/Management systems such as the Aerotrac Nextgen™ a system that is deployed around the world.

Thomas holds a Master of Science in Computer/Information Systems from the University of Phoenix, a Bachelor of Science in Computer Science from the State University of New York at Old Westbury, and an Associate of Science in Computer Engineering Science from Farmingdale State College of New York. When not at work he enjoys gardening and spending time with his family.

REGION 1 AWARD
MANAGERIAL EXCELLENCE IN AN ENGINEERING ORGANIZATION

For outstanding technical management in the development of new innovative Identification, Friend or Foe (IFF) products in a greatly accelerated schedule

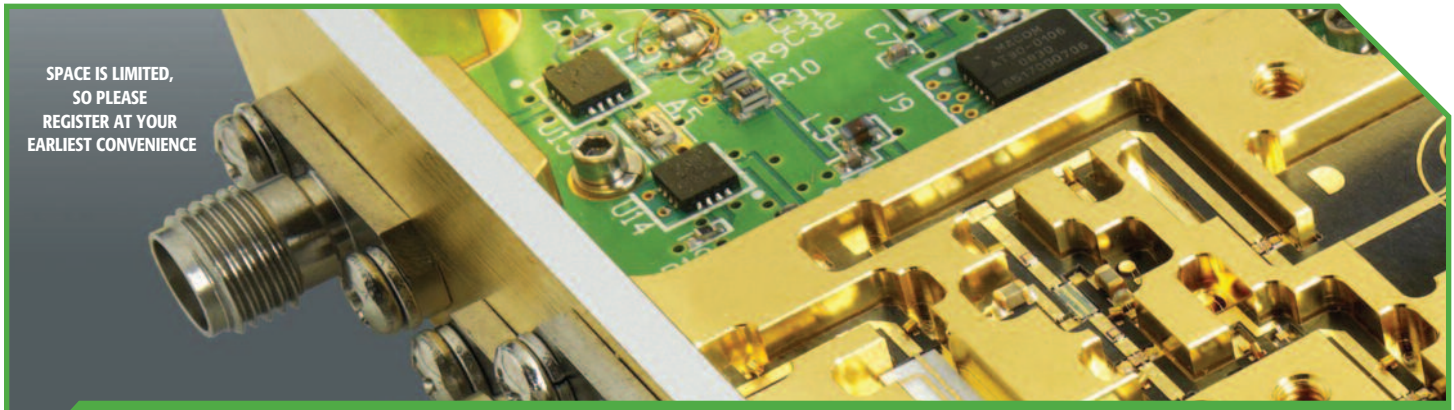
MATTHEW P. VACCARO
Telephonics Corporation

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 Identification Friend or Foe (IFF) Interrogator System for the AN/APS-147 multi-mode radar deployed on the SH-60R helicopter. Matt's focus then shifted to working a number of Primary Radar programs within Telephonics. Such systems have included the AN/APS-508, an advanced multi-mode imaging radar system, the AN/ZPY-4(V)1, a multi-mode radar for UAVs, & other commercial multi-mode radars targeted for both fixed and rotary wing platforms.

In 2013 Matthew transitioned into a new role in the IFF group at Telephonics as Engineering Project Manager. He led a multi-disciplined design team through an aggressive design cycle of the Small Form Factor Passive Detection Reporting System (SFF PDRS). Matthew was able to rely on his strong technical background in managing this team through a significant redesign of hardware, firmware and software. Matthew soon began work on the SFF-44, an all mode IFF Interrogator that relies on much of the technology developed on the SFF PDRS. This design also required the development of a new high power amplifier assembly. Utilizing many of the same concepts and approaches, the team was able to complete the entire development of this new product in less than 1 year.

Matthew has recently taken a new position at Curtiss-Wright in an attempt to explore new opportunities as an Electrical Engineering Manager. When not at work, Matt enjoys spending time with his wife and three children. In his spare time he volunteers his time at his church, leading a youth group for Junior High and High School students. He also is an avid fisherman and active with the Farragut Striper Fishing Club.

IEEE LONG ISLAND SECTION
20 BANQUET AWARDS 18

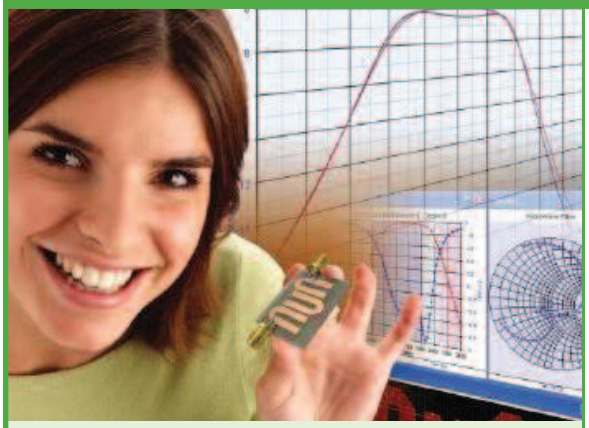


SPACE IS LIMITED, SO PLEASE REGISTER AT YOUR EARLIEST CONVENIENCE

LONG ISLAND RF/MICROWAVE SYMPOSIUM & EXHIBITS

TRENDS IN MICROWAVES - 2018

APRIL 5, 2018 • RADISSON HOTEL, 110 MOTOR PARKWAY, HAUPPAUGE • 12:00 PM - 8:00 PM



EXHIBITORS

Agile Microwave, Amplitude Technical Sales, Analog Devices, ANSYS, AR, ATM, Berkeley Nucleonics, Boonton, Contech Marketing, Copper Mountain, Eltech Sales, EMSCAN, Entest, GSA Parallax, JQ Associates, Koaxis, L3 Narda-MITEQ, MECA Electronics, Mini-Circuits, Noisecom, OMMIC, Passive Plus, Pentek, Quik-Pak, Renaissance Electronics HXI, RF Alliance, Richardson RFPD, Rohde & Schwarz, Samtec, Spectrum Sales, Superior Technical Solutions, Tekmar Sales, Tektronix, Teledyne/LeCroy, Teradyne, TestEquity, Times Microwave, TMD, Tower Fasteners, WJB Sales

SPONSORS

- **Berkeley Nucleonics**
- **Mini Circuits**
- **Renaissance**
- **RFMW**

Santo Mazzola: 631-262-8367
Santo.Mazzola@baesystems.com

Tony Bocchimuzzo: 516-662-0830
tonyb@rfsales.com

REGISTRATION

This event is **FREE** for attendees, but you *must register online at:* **www.ieee.li/microwave** or scan the QR code.

WHO SHOULD ATTEND:

Engineers, Managers, Students and Technical Professionals interested in the latest trends in Microwave, Millimeter wave and RF Technology are all invited.

THE LONG ISLAND RF/MICROWAVE SYMPOSIUM & EXHIBITS

The area's premier annual event that brings together the Microwave, Millimeter Wave & RF community. This event is free for attendees but you must register in advance. All Long Island Engineers, Managers, Students and Technical Professionals involved in these fields are invited. Registered attendees will receive admission to the exhibit floor, technical lectures, complimentary* lunch, and complimentary* dinner. The first 200 registered attendees will also receive a complimentary swag bag with gifts from our exhibitors.

MTT-S

IEEE

Organized by the Long Island Chapter of the IEEE Microwave Theory and Techniques Society, **www.ieee.li/mtt**

For more information:
mtt@ieee.li

*Networking

DATE:
Thursday, April 5

TIME:
Arrive/Leave Anytime,
Noon - 8 PM

LOCATION:
Radisson Hotel,
Hauppauge

Directions
(or scan QR code)

All Microwave Products/Services Exhibits are available from 1:30-6:30 PM

FREE ADMISSION

All invited, members and non members–
but you must register.

REGION 1 AWARD
OUTSTANDING TEACHING IN AN IEEE AREA OF INTEREST AWARD
(PRE-UNIVERSITY OR COLLEGE)

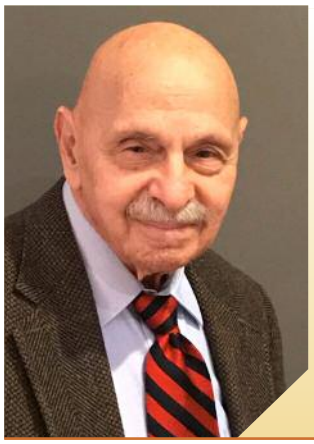
For outstanding mentoring of high school science students research activities and inspiring them to pursue engineering and science as a career

FREDERICK M. KRUGER
CONSULTANT

Dr. Kruger has served as a Volunteer Science and Technology Mentor to students in the Commack, NY, High School Science Research Program and as a science, engineering, and technology consultant to the program for about 10 years. He has introduced several students to Ham Radio and the role it can play in support of their present and future science and engineering activities and education. Many of the students he helped mentor have gained local, regional and/or national, or international recognition for their competition winning science research projects.

Dr. Kruger holds a Ph.D. in Neuropsychology, a Post-Doctorate in Speech and Hearing Sciences, and is trained in electronic engineering and computer sciences. After teaching undergraduate and graduate neuropsychology and neuroscience courses within the CUNY system, he became Director of Research at The Helen Keller National Center for Deaf-Blind Youths and Adults. During Dr. Kruger's almost 10 years in this role, he additionally developed the Wrist-Com and the Telebraille; devices to enable deaf-blind persons to communicate via telephone and to receive and send emergency radio calls for assistance. During this period, he consulted with NASA on certain special programs. After a short time working within the aerospace industry, he started Kruger Associates Inc., where for 30+ years, he was Chief Scientist and Senior Consultant.

Dr. Kruger is a Senior Life Member of the IEEE, a life member of Acoustical Society of America, American Radio Relay League, and other organizations. He holds an FCC Extra Class Amateur Radio license (K2LDC), and an FCC First Class Commercial license. He serves on several ANSI/ASA and IEEE standards committees, the IEEE LI Section ExCom, and chairs the LI Rotary District 7255 Emergency Preparedness Committee. Dr. Kruger is also AEC and DRO for Smithtown ARES. He holds several patents.



REGION 1 AWARD
THE WILLIAM TERRY DISTINGUISHED SERVICE AWARD

For lifetime service to the IEEE Long Island Section, Region 1 and IEEE in technical contributions and championing the advancement of the profession for all members

VICTOR G. ZOURIDES
NORTHROP GRUMMAN (RETIRED)

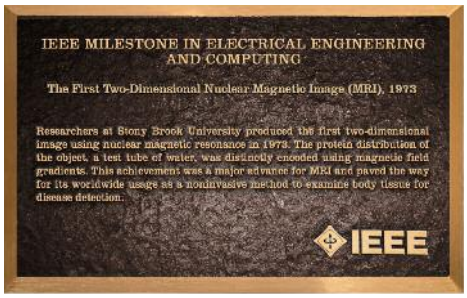
Victor received the Bachelor of Science (Physics) from Brooklyn Polytechnic Institute (BPI) and Master of Electrical Engineering from New York University (NYU) both now NYU-POLY. He is a New York State Licensed Professional Engineer (retired). He started his career at Sperry Gyroscope Company upon graduation from BPI. His career at Sperry spanned designing every type of electronic circuitry, designing and integrating Automatic Test Equipment (ATE) with the B-58 Hustler program and work with Pulse Compression 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 culminating in managing a team of engineers tasked to integrate Artificial Intelligence (AI) techniques with Built-In-Test (BIT) to detect false alarms. For this he wrote and won best paper award at the 1989 IEEE Autotestcon Conference.

Victor's IEEE activities have included Long Island Section Chairman in 1977, Region 1 Director 1988-89 and many committees and functions. He is the recipient of a Region 1 Award, IEEE-USA Award, Centennial Award and Long Island Section Outstanding Volunteer. 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 others particularly in the Long Island Section contributed to the IEEE changing from a purely technical society to today's professional society. He helped bring attention to IEEE members the case of the three BART (Bay Area Rapid Transit) engineers which resulted in the IEEE bringing forth an "amicus curiae" (friend of the court) to the case. He was the Proposal Chairman for the 1985 IEEE Autotestcon, which was held on Long Island, started on the Society on Social Implications of Technology Chapter in 2010 and was its Chairman 2010-2014. He was the Chairman of the Life Member Affinity Group 2014-2016.

THE FIRST TWO-DIMENSIONAL MRI

IEEE LONG ISLAND SECTION'S LATEST HISTORICAL MILESTONE

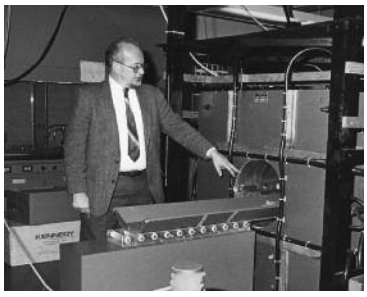
JESSE TAUB *HISTORIAN, IEEE LONG ISLAND SECTION*



THE CITATION ON THE PLAQUE READS AS FOLLOWS: The First Two-Dimensional Nuclear Magnetic Image (MRI), 1973. *Researchers at Stony Brook University produced the first two-dimensional image using nuclear magnetic resonance in 1973. The protein distribution of the object, a test tube of water, was distinctly encoded using magnetic field gradients. This achievement was a major advance for MRI and paved the way for its worldwide usage as a noninvasive method to examine body tissue for disease detection.*

The IEEE Board of Directors recently approved the Long Island Section's proposal of a historic milestone for The First Two-Dimensional Nuclear Magnetic Image (MRI), 1973, This will be the Long Island Section's third milestone. The previous ones were for the Grumman Lunar Module, 1962-1972 and the First Blind Takeoff, Flight and Landing, 1929.

The new milestone was proposed by our Section's Historical Milestone Committee consisting of Vic Zourides Chair, Nick Golas Vice-Chair, Don Christiansen, Mort Hans, Lou Luceri, Sandy Mazzola, Jesse Taub and Bill Wilkes. The idea for this great accomplishment came from Paul Lauterbur a Chemistry Professor at Stony Brook University. He described it in his notebook in September 1971 and published the results in the March 1973 issue of Nature. We will formally present Stony Brook University with an IEEE Milestone Plaque on September 5, 2018. It will be placed in a prominent location in their newly constructed Medical and Research Translation (MART) building, where new developments in MRI will take place.



Lauterbur's ideas for obtaining this were first written in his notebook in September 1971. His first MRI image publication was an article in the March 1973 issue of Nature. Peter Mansfield of the University of Nottingham made note of this achievement and made improvements in the image resolution and processing speed a few years later. They shared a Nobel prize in Physiology or Medicine in 2003.

While Dr. Lauterbur was a Chemist by profession, he had, through his prior work on Nuclear Magnetic Resonance (NMR), became a world renowned NMR experimentalist with a detailed knowledge of the equipment that he used. This included understanding magnet design, stable RF oscillators and signal processing techniques. The key to his success was to spatially encode the substance that he was imaging by introducing magnetic field gradients.

While this early demonstration is primitive, compared to that obtained with modern MRI instruments, his accomplishment was the spark that has resulted in the multi-billion dollar industry of today. Many of the advances since then have been made by contributions of electrical, electronics and computer engineers. Some examples follow.

To obtain improved image resolution very high magnetic fields are required. They can only be realized with superconducting magnets which have to be cooled to liquid helium temperatures. Furthermore, a magnetic field gradient is necessary to obtain an image. This is accomplished with additional electromagnets. Finally, the applied fields have to be precise; this requires additional 'shim' coils.

An RF signal is applied to the patient being tested via a separate set of coils. This signal is frequency and phase encoded. When the RF signal is at a resonant it is absorbed by the tissue and re-radiated. The radiated signal is captured with an array of receiver coils. A transmit-receive (TR) switch is required to avoid interference between the transmit and receive coils. The transmitter frequency typically ranges from 30-400 MHz. Better resolution is obtained with higher frequencies and magnetic fields. The transmitter peak power is about 10 Watts with a 1% duty cycle. The received signal is very weak and requires low noise amplifiers with noise figures well below 1dB. There are also many solid-state switches in a modern MRI instrument. Finally, to obtain the desired images requires that the data needs to be processed using Fast Fourier Transform (FFT) technology.

IEEE MILESTONE PLAQUE DEDICATION CEREMONY:

"The First Two-Dimensional Nuclear Magnetic Image (MRI), 1973"

SEPTEMBER 5, 2018
STONY BROOK UNIVERSITY MART BUILDING

For more about this Historical Milestone, see the history articles in the February and March 2018 ***Pulse.***

The awards presented at the 2018 IEEE Honors Ceremony are supported by the generosity of the following organizations:

New York Institute of Technology (NYIT)

Telephonics

Retlif Testing Laboratories

Stony Brook University

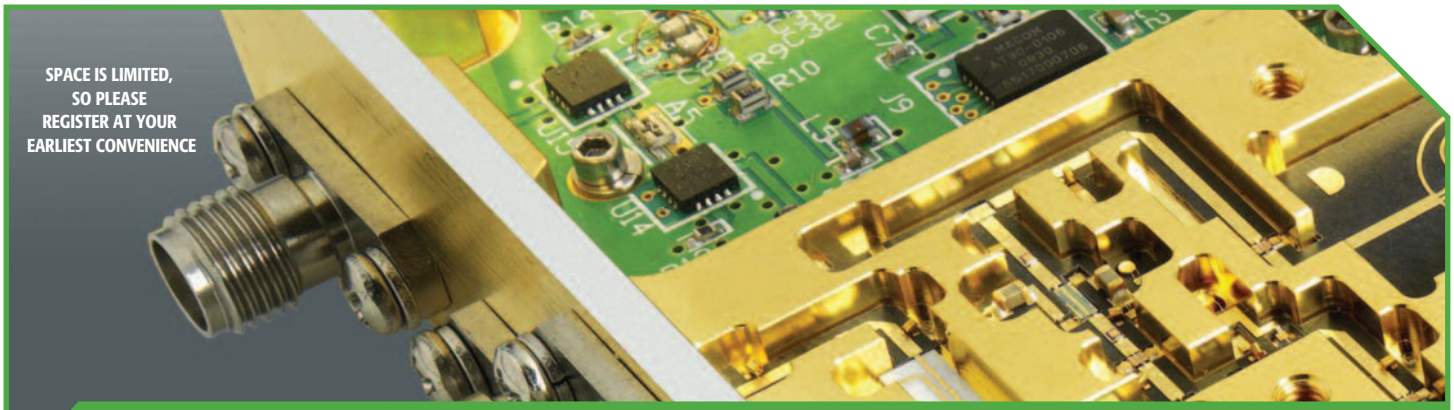
BAE Systems

Harris Corporation

Farmingdale State College

Long Island Consultants Network (LICN)

Advance Technical Marketing
Contech Marketing Associates
Keysight Technologies
Superior Technical Solutions Corp.
John Vodopia, PC



SPACE IS LIMITED, SO PLEASE REGISTER AT YOUR EARLIEST CONVENIENCE

LONG ISLAND RF/MICROWAVE SYMPOSIUM & EXHIBITS

TRENDS IN MICROWAVES - 2018

APRIL 5, 2018 • RADISSON HOTEL, 110 MOTOR PARKWAY, HAUPPAUGE • 12:00 PM - 8:00 PM

FREE ADMISSION

All invited, members and non members– ***but you must register.***

REGISTRATION

This event is **free** for attendees, but you *must register online at:* **www.ieee.li/microwave** or scan the QR code.

All Microwave Products/Services Exhibits are available from 1:00-8:00 PM

IEEE MTT-S

Organized by the Long Island Chapter of the IEEE Microwave Theory & Techniques Society, **www.ieee.li/mtt**

For more information:
mtt@ieee.li

TECHNICAL PROGRAMS*

TIME	SPEAKER	AFFILIATION	TOPIC
11:00 AM Onwards			**Registration**
12:00 PM to 1:00 PM			**Complimentary Networking Lunch**
			LECTURES
1:00 PM to 1:30 PM	**JESSE TAUB**	IEEE Fellow and IEEE LI Awards Committee Chairman	*Welcome and Keynote Address*
1:30 PM to 2:30 PM	**BRIAN WALKER**	Sr RF Engineer, Copper Mountain Technologies Indianapolis, IN	*RF Reflectometery Resonant Modal Analysis for Zero G Fuel Level Measurement*
2:30 PM to 3:30 PM	**DR. ZHOU LI**	RF Design Engineer Mini Circuits Inc., Brooklyn, NY	*Trends in LTCC for RF and Microwave Components*
3:30 PM to 4:30 PM	**DR. REZA K. AMINEH**	New York Institute of Technology, NY	*MW & mmW Holographic Imaging History and Development*
4:30 PM to 5:30 PM	**DR. LORENZO LO MONTE**		*History of Radar and EW*
			WORKSHOPS
1:00 PM to 3:00 PM			*Analyzing MMIC Devices for Solid State Power Amplifiers*
3:30 PM to 5:30 PM			*Nonlinear Circuit Design w/ Coupled Electromagnetics Analysis*
			RECEPTION
5:30 PM to 6:00 PM			**Acknowledgments & Closing Remarks**
6:00 PM to 8:00 PM			**Complimentary Networking Dinner with Cash Bar**

Exhibits Schedule: 1:00 - 8:00 PM. All Exhibits are available

*Subject to change, check **https://ieee.li/microwave** for the latest information

IEEE LONG ISLAND SECTION's MTT-S CHAPTER RECEIVES 2017 MTT-S OUTSTANDING CHAPTER AWARD

The Outstanding Chapter Award is awarded to MTT-S Chapters worldwide that have exhibited exceptional performance. The award recognizes the Chapter's contribution with special consideration for the local constraints and Chapter size. All winning Chapters have portrayed an outstanding service to MTT-S members, technical activities, educational activities, membership advancements, and Fellow and award nominations.

Our Section's Microwave Theory and Techniques Society Chapter has been recognized by the MTT Society (MTT-S) as its Outstanding Chapter. The MTT-S Long Island Chapter, Chair Sai Padmanabhan received the award at the MTT-S IMRAC Conference in Ahmedabad, India in December 2017 (pictures of event are shown below). It was originally scheduled for MTT-S IMS 2017 Conference in Hawaii.

The MTT Society Chapter of the IEEE LI Section and the Microwave engineers of our Chapter on Long Island were delighted and honored that the IEEE Microwave Theory & Techniques Society has selected us as one of their Outstanding Chapters.

The Outstanding Chapter Award is given to no more than 5% of the MTT Society Chapters, meaning our Chapter is now a member of the very distinguished group. The decision for "Outstanding Chapter Award" is a rigorous process because it involves many factors, including technical events, involvement with local IEEE volunteers, membership drive, mentoring new volunteers and member engagement.

Highlights of the IEEE LI Section's MTT Chapter in 2016 and 2017 was the **LI Microwave Symposium- Trends in Microwave** in which included a technical lectures track including DML's, a keynote address by a Microwave Industry Leader, and an exhibits section with Microwave industries leading manufacturer and service providers. This event is self-funded (95%) and so far has generated positive revenue for the LI Section.

2016 LI MICROWAVE SYMPOSIUM

- 5 Sponsors and 27 Exhibitors
- 208 Attendees out of which about 100 were IEEE members.
- Technical track included Jesse Taub IEEE Fellow & Life Member
- MTT-S Chapter member as Keynote Speaker 3 DML speakers.

2017 LI MICROWAVE SYMPOSIUM

- 4 Sponsors and 40 Exhibitors
- 283 Attendees out of which about 130 were IEEE members.
- Technical track included Harvey Kaylie, Founder President, Mini Circuits
- Keynote Speaker, Harvey Kaylie and 3 DML speakers

THE IEEE LONG ISLAND SECTION MICROWAVE THEORY AND TECHNIQUES SOCIETY HIGHLIGHTS

- Hosted technical lectures individually as well as jointly with other chapters in our section like Photonics, Antenna & Propagation, Circuits & Systems and Electromagnetic Compatibility Societies.
- Shared technical speakers and had joint activity with other MTT-S Chapters in Region 1 such as the North Jersey Chapter and Connecticut Chapter.
- Held joint events in liaison with University based organizations like the Renewable Energy & Sustainability Center of Farmingdale State College & Center for Wireless Excellence at Stony Brook University.
- Long Island Chapter Officers regularly attended the Section's Executive Committee (ExCom) meetings and participated in Section's activities such as Membership Development and Student Activities.
- Sai Padmanabhan, the current MTT-S Chair, has been awarded 2017 IEEE Region 1 Award for Outstanding Support for the Mission of the IEEE, MGA, Region 1 and the Long Island Section.
- In 2017, the Chapter hosted five Distinguished Microwave Lecturers (DML) and three DML in 2016.

IEEE | QUICK FACTS

- More than 4 million documents in the IEEE Xplore Digital Library, with more than 8 million downloads each month
- More than 1,300 standards and 500 projects under development
- Published approximately 200 transactions, journals, & magazines
- Sponsors more than 1,800 conferences in 95 countries while partnering with more than 1,300 non-IEEE entities globally
- Attracted more than 485,000 conference attendees
- Published more than 1,500 conference events via IEEE Xplore®
- More than 423,000 members in more than 160 countries, more than 50% of whom are from outside the U.S.
- More than 117,000 Student members
- 334 Sections in ten geographic Regions worldwide
- 2,116 Chapters that unite local members with similar technical interests
- 3,005 student branches at colleges and universities in over 100 countries
- 1,481 student branch chapters of IEEE technical societies
- 486 IEEE Affinity Groups, non-technical sub-units of one or more Sections or a Council
- 39 Societies and 7 technical councils representing the wide range of IEEE technical interests

ABOUT IEEE:

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

IEEE
Advancing Technology for Humanity

IEEE & its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

IEEE VISION STATEMENT

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

IEEE MISSION STATEMENT

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

IEEE | LONG ISLAND SECTION

The IEEE Long Island (LI) Section serves its members in Nassau and Suffolk counties. Members include hardware engineers, software engineers, scientists, physicists, medical doctors and many other professional disciplines. The LI Section encourages formation of local Society Chapters -that are of interest to IEEE members of Long Island.

- The IEEE Long Island Section (LIS) started as an Institute of Radio Engineers (IRE) chapter in 1947
- The LIS became a full section of the IRE in 1953 and in 2018 we celebrated the Section's 65th anniversary
- The LIS was formed by Jim Shepherd of Sperry
- 1954, the Microwave Theory and Techniques became the first Professional Group Charter and it was closely followed by the Professional Group on Instrumentation

In 2018, the IEEE Long Island Section Celebrates its 65th Anniversary

Award Plaque for IEEE MTT-S Long Isalnd and NYC Chapter for the 2016 MTT-S Outstanding Chapter Award

2017 OUTSTANDING MEMBERSHIP RETENTION PERFORMANCE
LONG ISLAND SECTION

The IEEE Long Island Section is Recognized by the IEEE for its Outstanding Membership Retention in 2017

The IEEE Long Island Section Milestone Plaque for The First Two-Dimensional MRI, 1973

- In 1958, the Student Affairs Committee was formed and offered a 15-week math & science course free to high school teachers that was fully accredited by New York State
- In 1963 with the merger of IRE and the American Institute of Electrical Engineers (AIEE) to become the IEEE. The Section was realigned and its Queens members were transferred to the NY Section
- All IEEE Long Island Section positions are staffed by volunteers
- Visit and explore our website at: **www.ieee.li**

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.

2017 Kevin McSweeney
2016 John M. Dunn
2015 John Schmidt
2014 Howard Hausman
2013 Scott B. Abrams
2012 Nikolaos Golas
2011 Peter A. Eckstein
2010 Santo Mazzola
2009 James Colotti
2008 Arthur Rossoff*
2007 David Wolf
2006 Daniel Rogers
2005 David Mesecher
2004 Charles Rubenstein
2003 William Rooney
2002 Babak Beheshti
2001 Thomas A. Campbell
2000 Herman Fialkov*
1999 Eduardo F. Palacio
1998 Peter Buitenkant
1997 Eleanor Baum
1996 Irwin Weitman*
1995 Stephen Barre
1994 Joel Snyder*
1993 Robert Bruce*
1992 Robert Barden
1991 Sheldon S.I. Chang
1990 Donald Christiansen
1989 Donald L. Schilling
1988 Alexander Schure
1987 John Truxal

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.

2017 David Westerfeld
2016 John Fiorillo
2015 Sleiman R. Ghorayeb
2014 Sister Jane Carolyn Fritz
2013 Babak Beheshti
2012 Thomas Robertazzi
2011 Monica Bugallo
2010 John F. Hennings
2009 Sina Rabbany
2007 Frank A. Cassara
2006 Serge Luryi
2006 Wendy K. Tang
2005 Kenneth Short
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.

2017 Paul Akimov
2016 Gerald Klahn
2015 Stephen Buckley
2014 Matthew P. Vaccaro
2013 John Smedley
2012 Eugene Feinberg
2011 Kenneth Frank
2010 Thomas R. Neiland
2009 David Mesecher
2008 Babak Beheshti
2007 Yuri Okunev
2006 Aleksey Bolotnikov
2005 Peter Vanier
2004 Raj Bridgelall
2003 Bruce Willins
2002 Robert H. Pflieger
2001 Javed Siddiqui
2000 Gary Schay
1999 Robert Pang
1998 Joseph T. Merenda
1997 Donald Neuf
1996 Peter McVeigh
1995 Christopher Kaiteris
1994 Richard Kumpfbeck
1993 Zdenek Adler
1992 Mathew Dwork
1991 Ronald Rudish
1990 Sol Greenberg
1989 George Sandler
1988 Donald Grieco
1987 Roderic Lowman
1986 Stephen Shapiro
1985 Joseph Calviello
1984 Richard Frazita
1983 E. J. Smith
1982 Evelyn Berezin
1981 John Stangel
1980 Enrico Levi
1979 A.D. Alexandrovich
1978 Richard LaRosa
1977 Page Burr
1976 Patricia Burgmyer*

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.

2017 Louis Luceri
2016 Donald Christiansen
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 and Wheeler Labs, made many important technical contributions. He was a founding member of the IEEE Long Island Section.

2017 Eduardo F. Palacio
2016 Richard Frazita
2015 Scott Fisher
2014 Kenneth J. Henrich
2013 Walter Poggi
2012 William Pawlowski
2011 Joseph Merenda
2010 Bert Moskowitz
2009 Veljko Radeka
2008 Kenneth Schneider
2007 Ralph B. James
2006 Richard Kumpfbeck
2005 Peter McVeigh
2004 Arie Kaufman
2003 Stanley Oken
2002 Edward M. Newman
2001 Gary R. Lomp
2000 James Smith
1999 Yacov Shamash
1998 Paul Richman
1997 Seymour Okwit
1996 Henry Bachman
1995 Jerome Swartz
1994 William Rubin
1993 Alfred Lopez
1992 Leonard Kahn
1991 Ivan Frisch
1990 Peter Hannan
1989 Patrick Barry
1988 Frederic Salerno

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.

2017 Peter Sciotto
2016 Joseph Carrano
2015 Aydin Farajidavar
2014 Emre Salman
2013 Rafael M. Perez
2012 Robert Schmid
2011 Adam S. Chalson
2009 Monica F. Bugallo
2008 Gabriella Carini
2006 David Hernandez
2005 Justin Maloney-Hahn
2004 Jonathan Garruba
2003 Michael Sussich
2002 Ronald J. Bajit
2001 Fatih M. Ozluturk
2000 Scott Weiner
1999 Raj Bridgelall
1998 Wing C. Kwong
1997 Paul Eyring
1995 Kenneth Aupperle
1994 Ynjiun Wang
1993 Cecelia Jankowski

ORGANIZATION OF THE YEAR SECTION AWARD

This award recognizes a Long Island company or educational institution involved with electrical, electronic or computer engineering for a noteworthy achievement. The award is intended to encompass a broad category of achievements that can include areas such as a new product or system, as well as providing significant assistance to the IEEE Long Island Section. Examples of this include providing meeting space or financial support for IEEE activities.

2017 Retlif Testing Laboratories
2016 InterDigital, Inc
2015 Telephonics Corporation
2014 Northrop Grumman Aerospace Systems
2013 College of Engineering & Applied Sciences, Stony Brook Univ.
2012 Brookhaven National Laboratory
2011 Farmingdale State College
2010 BAE Systems

VELIO MARSOCCI OUTSTANDING STUDENT BRANCH AWARD

This award is given to an IEEE Student Branch associated with a Long Island educational institution that has had noteworthy activities and encourages student membership in the IEEE. The award is named in memory of Dr. Velio Marsocci who was a Distinguished Professor at Stony Brook University and a dedicated Faculty Advisor to their Student Branch for many years.

2017 NY Institute of Technology
2016 Stony Brook University
2015 Farmingdale State College
2014 Eta Kappa Nu Chapter, SUNY Stony Brook
2012 Hofstra University
2010 Stony Brook University
2007 Stony Brook University
2005 Stony Brook University

OUTSTANDING VOLUNTEER OF THE YEAR 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.

2017 Davor Dokonal
2016 Charles A. Pleckaitis
2015 M. Nazrul Islam
2014 Victor G. Zourides
2013 Garry Z. Gu
2012 Matthew B. Nissen

*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

John Asvestas
Lalit Bahl
Ilan Ben-Zvi
J.J. Bongiorno
William Caputi
Donald Christiansen
Petar Djuric
Eric Forsyth
Joseph Fragola
Ivan Frisch
Peter Hannan
John Impagliazzo
Arie E. Kaufman
Richard La Rosa
Jerome Liang
Konstantin Likharev
Alfred Lopez
Serge Luryi
Seymour Okwit
T. Pavlidis
John Pierro
Veljko Radeka
Paul Richman
Thomas Robertgazzi
Thomas Roser
E. Sard
S. Shinners
Martin Shooman
Graham C. Smith
Jesse Taub
David Weissman
Craig L. Woody
Yuanyuan Yang
Glenn Zorpette

REGION 1 AWARD RECIPIENTS

Craig Aarseth
Scott B. Abrams
Robert Barat
Kenneth C. Baron
Babak Beheshti
Charles Berger
Stephan Jon Blank
Lloyd Blueweiss
James P. Blumling
Sheldon Brown
Gary Cachules
Thomas Campbell
Frank Cassara
Michael F. Ciardullo
James Colotti
Michael N. Cunetta
Eric Darvin
William DeAgro
Debra Demou
Paul DiBella
Peter Djuric
Alfred J. DuPlessis
Paul M. Eyring
Phillip Ferraro
John A. Fiorillo
Joseph Fragola
Kenneth Frank
Marc Frankel
Nikolaos Golas
John Gunther
Shahe Halajian
Lawrence Hausman
M. Nazrul Islam
Ivan Kadar
Richard Knadle
Theodore Koutsoudis
Richard Krabak
Frederick M. Kruger
Thomas Lanzisero
Richard LaRosa
L.I.F.T.
Gil M. Lipper
Roderic Lowman
Louis Luceri
Justin Maloney-Hahn
Santo Mazzola
David Mesecher
Niel F. Miele
John Nastro
Donald Neuhaus
Matthew B. Nissen
Stephen O'Brien
Anthony Olivo
James Onorato
Sai Padmanabhan
Eduardo Palacio
Theodore Pappas
Lazaros Pavlidis
John Pierro
Ronald Pirich
Walter Poggi
Brian Quinn
Paul Richman
Stefan A. Robila
Daniel A. Rogers
Charles Rubenstein
Ronald M. Rudish
Melvin Sandler
Michael L. Schreiber
Graham C. Smith
Milutin Stanacevic
Jesse Taub
Bryan Tropper
Hang-Shen Tuan
Charles Verbeke
Peter Voltz
Thomas Volz
Charles Vozzo
William F. Wilkes
Bruce Willard
David Wolff
Craig L. Woody
Yuanyuan Yang
Victor Zourides

THE WILLIAM TERRY DISTINGUISHED SERVICE AWARD

This award is intended to recognize those whose personal efforts have provided leadership, creativity, guidance, hard work and inspiration in a wide range of IEEE activities over a significant and sustained period of time.

Henry Bachman
Alfred Lopez
Jesse Taub

REGION 1 ALEX GRUENWALD PACE AWARD

For outstanding PACE programs promoting professional development within the IEEE

2015 IEEE Long Island Section

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.

IEEE-USA AWARD RECIPIENTS

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

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*

*Indicates Deceased

IEEE MGA LEADERSHIP AWARD

For dedicated leadership in serving IEEE members at the Section, Region, USA, and global levels, and for contributing significantly towards achieving the goals of the IEEE Member and Geographic Activities Board

2015 Babak Beheshti

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

ACHIEVEMENT AWARD

1999 Joel Snyder*
1998 K. Wendy Tang
1986 William Wilkes

IEEE MEDALISTS

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

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

LI SECTION SPECIAL AWARD

2016 Tesla Science Center

LONG ISLAND SUB SECTION OF NY 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

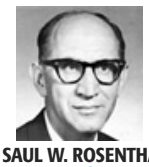
HAROLD BROWNMAN
1964

RICHARD C. PRICE
1965

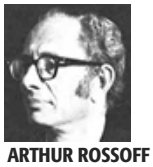
HENRY L. BACHMAN
1966

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. LOWMAN
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

JOHN SCHMIDT
2014

JOHN F. VODOPIA
2015

M. NAZRUL ISLAM
2016

MARJANEH ISSAPOUR
2017

IEEE

LONG ISLAND SECTION