IEEE Long Island Section
2012 Annual Awards Ceremony

MESSAGE FROM THE CHAIRMAN

IEEE Colleagues and Guests,

As this year's ***Chairman*** *it is an honor and privilege to welcome everyone to the* ***2012 IEEE Long Island Section Awards Banquet****. This evening we recognize and honor the outstanding engineering achievements of our members. New York State Governor Cuomo has sent his Representative, Scott Martella, to recognize the significance of this Awards Ceremony. Nassau County Executive Edward P. Mangano has also sent a representative.*

I would like to thank our ***Awards Committee Chairman Jesse Taub*** *and the committee members* ***Ralph James, Alfred Lopez, Rod Lowman, Velio Marsocci, Richard Mohr, Nikolaos Golas*** *and* ***Arlene Zhang*** *for their important work of selecting and advocating our award nominees. Our* ***Awards Committee*** *works diligently throughout the year to solicit, review and process the applications of our members that have made considerable and substantial contributions to our engineering profession.*

The Section is honored to be able to present our distinguished ***Keynote Speaker Mr. Eduardo F Palacio,*** *Vice President of Program Management and Business Operations at Electronic Systems, Exelis Inc. I look forward to his talk titled "Being a Defense Electronics Professional in an Uncertain Market". Ed has been in the defense industry for 32 years. He has been an IEEE volunteer in several capacities including Long Island Section Chairman.*

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

The ***IEEE Long Island Section*** *has had a long history, starting as a New York Subchapter in 1947, and becoming a Chapter unto its own in 1953. Tonight we will honor all of the Section's past Chairmen by presenting them with a Plaque, which will be displayed at all our future Awards Banquets and other special events.*

The most special part of our Awards Banquet is the presentation of our IEEE local and regional awards to our well deserving Section members. This year, nine Long Island members were awarded ***IEEE Region 1 Awards*** *and eight members and institutions were awarded* ***IEEE LI Section Awards****. We are also honoring two new IEEE Fellows at this ceremony. I am proud to be part of the effort to recognize our member's achievements. My sincere congratulations to all of them!*

I would also like to remind you to attend the eighth annual ***2012 Long Island Systems and Technology Conference (LISAT)*** *on Friday, May 4 at Farmingdale State College. This conference is one of the premier technology events on Long Island. You can register at: www.IEEE.LI/LISAT. Additional information can be found inside the Program.*

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

In closing, I would like to thank all of our ***IEEE Long Island Section*** *members for their contribution to our profession and to our nation and all of you in attendance here tonight for making this event more memorable.*

Congratulations to all of our 2012 Awardees!
Best Regards,
Susan Frank, PhD, Chairman, IEEE Long Island Section
chairman@IEEE.LI

IEEE Long Island Section Awards Ceremony

Thursday March 29th, 2012

Keynote

Eduardo Palacio, PMP

Vice President
Program Management and
Business Operations
Electronic Systems, ITT Exelis

"Being a Defense Electronics Professional in an Uncertain Market."

Eduardo Palacio is Vice President of Program Management and Business Operations for Electronic Systems, ITT Exelis. Headquartered in Clifton, N.J., the company is a leading provider of electronic warfare and electronic systems for the armed forces of the United States and allied nations.

In his position, which he has held since 2010, Palacio leads a team that provides oversight of common program management practices in Electronic Systems, focuses on Customer Satisfaction and Program performance excellence, and helps integrate the company's newly acquired programs. He assesses and analyzes the current state of program management processes, procedures and controls, and drives best practices throughout the organization.

Palacio, an EDO employee for 32 years, has been a member of the Electronic Systems family since 2007, when the company's parent – ITT Corporation – acquired EDO Corporation, where he was Vice President for EDO's Electronic Warfare sector. Palacio holds a BS degree in Electrical Engineering from Cooper Union and two Master degrees, in Electrical Engineering and Technology Management, from the Polytechnic Institute of New York.

Palacio is a member of the IEEE, where he has held multiple senior level volunteer positions at the local, regional and institute levels. He is a member of the Association of Old Crows and the Program Management Institute. He sits on Industrial Advisory Committees of both The Cooper Union School of Engineering and State University of NY at Stony Brook's School of Engineering. He is also a board member of Stony Brook's Friends of Women in Science and Engineering.

Agenda

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

7:00 - 7:10 PM Call to Order, Welcome
Susan Frank
Chairman, IEEE LI Section

7:10 - 7:15 PM Governor Cuomo Representative
Scott Martella

Nassau County Executive Edward P. Mangano Representative

7:15 - 7:20 PM Keynote Address:
Eduardo Palacio, PMP
Vice President, Program Management and Business Operation
Electronic Systems, ITT Exelis

7:30 - 7:45 PM IEEE Long Island Section Volunteer Recognition
Susan Frank
Chairman, IEEE LI Section

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

8:05 - 9:00 PM Dinner

9:00 - 9:25 PM IEEE Region 1 Awards
Jesse Taub, Awards Chairman

9:25 - 9:35 PM IEEE Fellow Award
Jesse Taub, Awards Chairman

9:35 - 9:40 PM Closing Remarks

STATE OF NEW YORK
EXECUTIVE CHAMBER
ALBANY 12224

ANDREW M. CUOMO
GOVERNOR

March 29, 2012

Dear Friends:

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

New York State values organizations that serve as resources for promoting the interests of professionals within a particular industry. The IEEE supports and facilitates the research and development work of engineering professionals which remains a critical foundation for the continued progress of our society.

This event celebrates your membership of forward-thinking individuals who are at the forefront of developing innovative technologies in the specialized areas of electrical and electronics engineering. I join in congratulating those who are acknowledged tonight for outstanding achievements within their respective fields and I applaud all for your dedication to advancing the course of humankind.

Warmest regards and best wishes for an enjoyable evening.

Sincerely,

ANDREW M. CUOMO

Office of the Governor

SCOTT MARTELLA

Suffolk County Representative to Governor Andrew M. Cuomo

Scott Martella is the Suffolk County Representative to Governor Andrew Cuomo. His passion for progressive politics was born from his experiences in Washington, D.C. while serving as an assistant to the Government Affairs Director of Boston Scientific Corporation.

After graduating from Boston University in 2008, with a B.A. in International Business and Economics, Scott worked as a Regional Field Director to help elect Brian X. Foley to the New York State Senate. He remained with the Senator as a Policy Advisor, helping him mold his education and property tax reform agenda. His interest in the quantitative and qualitative elements that shape our nation's education policy was the impetus behind his candidacy for School Board Trustee to Smithtown Central School District. In 2009, Scott was inaugurated the youngest Trustee in Smithtown's 333 year history. In 2011, he was elected Vice President of the Board of Education. Scott currently serves as a member of New York's New Leaders Council, Long Island Cares' Board of Directors and the 9/11 First Responder- Johnny Mac Foundation Board of Directors.

Congratulations to this Year's Award Recipients!

Long Island Section Awards

Alex Gruenwald Award: **Mr. Nikolaos Golas**
Athanasios Papoulis Award: **Dr. Thomas Robertazzi**
Charles Hirsch Award: **Dr. Eugene Feinberg**
Friend of the IEEE LI Section: **Brookhaven National Laboratory**
Harold Wheeler Award: **Mr. William Pawlowski**
Outstanding Young Engineer Award: **Mr. Robert Schmid**
Outstanding Volunteer of the Year Award: **Mr. Matthew B. Nissen**
Lifetime Achievement Award: **Mr. Henry Bachman**

IEEE Fellow Award

Dr. Craig L. Woody
Dr. Graham C. Smith

Region 1 Awards

For Technological Innovation (Industry or Government): **Mr. Lloyd Blueweiss**
For Technological Innovation (Industry or Government): **Mr. Thomas Lanzisero**
For Technological Innovation (Industry or Government): **Mr. Richard Law**
For Outstanding Support of the Mission of the IEEE: **Mr. David Bomzer**
For Outstanding Support of the Mission of the IEEE: **Mr. Terry Stratoudakis**
For Managerial Excellence in an Engineering Organization: **Mr. Philip Ferraro**
For Managerial Excellence in an Engineering Organization: **Mr. Jonathan Garruba**
For Managerial Excellence in an Engineering Organization: **Mr. Stephen O'Brien**
For Managerial Excellence in an Engineering Organization: **Mr. Thomas Schneider**

IEEE Long Island Section

2012

SECTION OFFICERS

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Microwave Theory & Techniques: Eric Darvin, L-3 Communications
Vice Chair: Saikumar Padmanabhan,
Nuclear & Plasma Sciences: Shaorui Li, Brookhaven National Labs
Vice Chair: Arlene Zhang, Brookhaven National Labs
Photonics Society: M. Nazrul Islam; VC: Adam Filios
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Vice Chair: Lou D'Onofrio
Product Safety Engineering Society: Thomas Lanzisero, UL
Vice Chair: Aziz Orumbaev
Signal Processing: Garry Gu, Telephonics
Society on Social Implications of Technology: Vic Zourides
Vice Chair: Ron Price
Technology Management Council: Brian Quinn, Verizon

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Employee Assistance Committee: Charles Pleckaitis, Mary Rothberg
GOLD Program: Adam Chalson; VC: Rob Schmid, Telephonics
Historian: Jesse Taub, Roderic V. Lowman
Historical Milestones Committee: "First Flight" - Mort Hans
"Tennis for Two" - Ralph James, Arlene Zhang
Legal Affairs Chair: John Vodopia
Vice Chair 1: Steven Rubin; Vice Chair 2: T. Dave Bomzer
Life Member Affinity Group: Robert Blosser
LIMSAT: Frederick Kruger, Kruger Associates Inc.
LISAT Conference: Dan Rogers, Telephonics
Vice Chair: Charles Rubenstein, Pratt Institute
Membership Development: Nikolaos Golas, VCr: Sandy Mazzola-
PACE: Ahmad Haque, Vice Chair: Nikolaos Golas
Professional Society & Industry Liaison: Bill Wilkes
Vice Chair: Dave Mesecher, NGC; Charles Pleckaitis
Public Relations Chair: John Peterson, Peterson Associates
Pulse Newsletter Editor: Allison Rubin; Vice Editor: Nikolas Golas
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Tellers Committee: John Peterson, Peterson Associates
Webmaster: James Colotti, Telephonics Corporation, John Schmidt
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Southern Area Chair: Robert Pellegrino
METSAC Chair: Nikolaos Golas

2011

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Vice Chair: Allison Moreno
Instrumentation & Measurement: Robert Berger, NI
Vice Chair: Terry Stratoudakis, ALE System Integration
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Vice Chair: Terry Stratoudakis, ALE System Integration
Public Relations Chair: Anthony Yackovich
Pulse Newsletter Editor: Allison Rubin
Student Activities: Michael Joseph Co, Parker Hannifin
Vice Chair: Kris Waage, L-3 Communications
Tellers Committee: John Peterson, Peterson Associates
Webmaster: James Colotti, Telephonics Corporation
Women In Engineering: Christina Nicholas, Hearst Corp.

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Stony Brook University: President: Martin Delgado

EX OFFICIO OFFICERS

Region 1 Director: Charles Rubenstein
Southern Area Chair: Durgamadhab Misra
METSAC Chair: Kirit G. Dixit

Long Island Section Awards

Alex Gruenwald Award

NIKOLAOS GOLAS

Telephonics

"For Leadership in a Wide Range of Activities in the Long Island Section that has Greatly Enhanced Member Participation and Benefits"

Nikolaos Golas started his career with Telephonics' Radar Systems Division in 2002. Currently he is working on the universal ATE solution that will allow Telephonics to test all of their lines of Interrogators utilizing a common ATE design. Prior to his current assignment he was the technical lead during the Telephonics government AIMS certification. It covered both the SIF and Mode 4 effort which was completed successfully in half the allotted time and the Mode 5 effort which was performed for the first time. Telephonics became the first company worldwide to complete and receive the coveted DoD AIMS certification for the AN/UPX-40(V)1 ALL-MODE IFF Interrogator and to be fully certified for Mark XII, Mode 5 and Mode S modes.

Nikolaos has extensive experience (14 years) in the development of Test Software as a National Instruments LabVIEW developer and has successfully completed several product development programs consistently achieving both programmatic and technical goals. For the AWACS IFF upgrade program he developed automated Environmental Stress Screening (ESS) procedures and test programs for both the Solid State Transmitter and the Low Noise Receiver LRUs thus reducing the cost of the production program. Mr. Golas started his career working for AIL Systems, now part of ITT Corporation. At AIL he worked on the U.S. Air Force's B-1B Lancer bomber Self-Protect Jamming System designing ATE systems that were delivered to the Air Force and utilized in the testing of the AN/ALQ-161A system. To reduce the cost of test he designed and implemented the Universal Factory Test Equipment (UFTE). The UFTE system is reconfigurable with industry standard interface capable of testing many production lines including the Universal Exciter Upgrade (UEU) where over 550 UEU Systems where delivered to the Navy within time and budget.

Nikolaos is a Senior Member of the IEEE and served the IEEE Long Island Section as the 2011 Chairman, Membership Development Chairman, Instrumentation & Measurement Society Chairman and Pulse Newsletter Editor. He's currently the IEEE Metropolitan Sections Activities Council (METSAC) Chairman for 2012-2013 and the IEEE Region 1 Historian & Milestone Coordinator.

Athanasios Papoulis Award

DR. THOMAS ROBERTAZZI

Stony Brook University

"For Contributions to Inter-disciplinary Education in Engineering and Sciences"

Thomas Robertazzi received the BEE from Cooper Union and the PhD from Princeton University. He taught for a year during the early eighties at Manhattan College and since 1983 he has been a faculty member of the department of electrical and computer engineering at Stony Brook University. He is a fellow of the IEEE for contributions to parallel processor scheduling. He has authored three textbooks.

For fourteen years Prof. Robertazzi was the faculty director of the Science and Engineering Living Learning Center at Stony Brook. This is an academic unit within an undergraduate residence hall that seeks to enrich the academic life of the hall's students in particular and Stony Brook students in general. Prof. Robertazzi developed a minor in Technical Leadership offered by the center. He also taught courses on current issues in engineering and science that examined issues such as future energy sources including nuclear power and renewables, the social impact of computer technology, space exploration and biotechnology. During his tenure at the Living Learning Center Prof. Robertazzi hosted approximately 160 speakers in all areas of engineering, science and medicine. The interdisciplinary nature of the material covered in the courses and minors of the Living Learning Center is unique.

Long Island Section Awards

Charles Hirsch Award

DR. EUGENE FEINBERG

Stony Brook University

"For Developing and Implementing on Long Island, Electric Load Forecasting Methods and Smart Grid Technologies"

Professor Eugene A. Feinberg received Ph.D. in Probability and Statistics from Vilnius University, Lithuania, in 1979. Between 1976 and 1988 he held research and faculty positions in the Department of Applied Mathematics at Moscow University of Transportation. After holding a one-year visiting faculty position at Yale University in 1988-89, he joined Stony Brook University, NY, USA, where he is currently Professor of Operations Research at the Department of Applied Mathematics and Statistics.

His research interests include stochastic models of operations research, Markov Decision Processes, and industrial applications of Operations Research and Statistics including energy applications. He has published more that 130 papers and edited the Handbook on Markov Decision Processes. His research is partially supported by the National Science Foundation, Department of Energy, Office of Naval Research, New York Office of Science, Technology and Academic Research, and industry.

Since 1999, he has been working on electric energy applications. He has developed several accurate electric load forecasting methods and software that are being used by the industry. Currently he serves as Stony Brook Project Director on the Long Island Smart Energy Corridor project funded by the US Department of Energy to Long Island Power Authority, Farmingdale State College, and Stony Brook University with the total budget around $25M as part of the US Smart Grid Demonstration Initiative.

Dr. Feinberg is a Fellow of INFORMS (the Institute of Operations Research and Management Sciences). He has been awarded Honorary Doctorate from the National Technical University of Ukraine.

Harold Wheeler Award

WILLIAM PAWLOWSKI

Telephonics

"For Developing and Managing Creative FPGA Radar Solutions and Exemplary Mentoring of Engineers"

Bill received his B.E. degree in Electrical Engineering from Manhattan College in 1986 Bill also earned his M.S. degree in Electrical Engineering in 1991 from Polytechnic Institute of New York. Bill has over 25 years of technical experience in the design and development of IFF Interrogator Systems for the Air Force and Maritime Surveillance Radars for the Navy and the Coast Guard. For the last 10 years at Telephonics, Bill has focused his efforts on two critical emerging market demands. The first was the RDR1700B UAV RADAR system and the second was the AN/APS -153 ARPDD upgrade program that will be deployed on the US Navy's MH-60R helicopter. On both programs, Bill has led a team of design engineers in the development and test of custom high speed digital designs to meet the platforms' requirements. In addition to his Staff Level design responsibilities at Telephonics, Bill also oversees all the development tools and training for the electrical engineering staff.

In his spare time, Bill is an assistant scout master in Boy Scout Troop 261, coaches his two sons' sports teams and volunteers at the local food pantry in his community.

Long Island Section Awards

Outstanding Young Engineer Award

ROBERT SCHMID

PACS Industries, Inc.

"For Innovative Contributions to Power Distribution, Lighting and Relay Protection"

Robert graduated Manhattan College in 2003 with a Bachelor of Science in Electrical Engineering. In 2008, he received a Master's degree in Business Administration from Long Island University, followed by his professional engineering license in 2009. Robert is professionally licensed in numerous states including New York, New Jersey, Connecticut, Massachusetts and Virginia, and he has an active NCEES Record Book. He is also a Leadership in Engineering and Environmental Design Accredited Professional (LEED AP) and actively promotes energy efficiency in all the projects he manages.

Robert began his career as an entry level engineer at Lockwood, Kessler & Bartlett, an engineering consulting firm in Syosset, NY. While at LKB, he designed low, medium and high voltage distribution systems including lighting, relay protection and communication for notable clients such as Nassau County, the Town of Oyster Bay, the Port Authority of NY & NJ, PSE&G, Northeast Utilities and National Grid.

In mid-2011, Robert joined PACS Industries, a medium voltage switchgear manufacturer, at its Bethpage headquarters. PACS manufactures a complete line of metalclad switchgear through 40.5kV as well as Power and Control Buildings and structural substations though 230kV. He is currently a project manager, and is responsible for management of design and construction of the customized switchgear products that PACS manufactures out of their Mount Vernon, OH facility. He is also responsible for all short circuit, coordination and arc flash studies performed by the company. Robert has managed projects with PACS for such notable clients as Con-Ed, Metro-North, Connecticut DOT, General Electric, the U.S. Government, Long Island Rail Road and Siemens for locations including wind farms, hospitals, petro-chemical plants, Military bases, Grand Central Station and a locomotive manufacturing facility.

In June 2011, Robert wrote an article entitled "Smart Grid: Does Time of Use Utility Power Pricing Save the End-User Money?" which was published in the June 2011 edition of the IEEE GOLDRush newsletter. Robert is currently the Vice-Chairman of the Long Island Section of the GOLD (Graduates of the Last Decade) Affinity group, which is a membership program to help students transition to young professionals within the larger IEEE community. The program helps young professionals with employment searches, new jobs, professional growth, career development and life status changes. He has been the vice-chair since September of 2011.

Outstanding Volunteer of the Year Award

MATTHEW B. NISSEN

Sigma Energy Solutions

"For Forming the Long Island Chapter of the Power Engineering Society and for Organizing Outstanding Programs for Its Members"

Matthew is a Brooklyn native, having grown up in Coney Island. He graduated with a BSEE from Polytechnic University in 2003, and received his NY State Professional Engineering License in 2009. He gained valuable skills in engineering economics, technology forecasting, philosophy, and especially valuable practical knowledge and real world experience from a number of internships with firms like EJ Electric, NYCTA, Power Concepts, and JA Jones Construction Management. He was a leader in his Fraternity, within the University and among his peers.

Matthew has worked for Parsons Brinckerhoff Power, FramatomeANP, EME Group, Cosentini Associates and is currently an electrical engineer with Sigma Energy Solutions in Melville, NY. The projects he has worked on are urban and facility infrastructure, power distribution and electrical systems, substations, power generation, interconnections up to 345kV, facility assessment, feasibility studies, and energy usage analysis. He participates in local sustainable development activities with various organizations focused on sharing knowledge of best practices, technologies, and environmental strategies. He has published articles on energy efficiency and renewable technologies.

After becoming a volunteer leader with the Institute of Electrical and Electronic Engineers (IEEE), Matthew was quickly recognized for his ability to recruit and energize others, and was awarded the Alex Gruenwald Section PACE Award while serving as Professional Activities Chairman in NYC. He is currently the IEEE PES/IAS Long Island Chapter Chairman, and PES Region 1 Representative. He enjoys helping other engineers with professional development and career guidance. Matt's hobbies include swimming, traveling, philanthropy, and networking.

Publications

"High Performance Development as Distributed Generation", article in IEEE Potentials, 2009 Nov/Dec Issue.
"Review of Smart Grids", article in The Pulse of Long Island (IEEE), New Jersey, October 2009, p9.
"Cities, Energy, and the Post-Oil Paradigm", article in IEEE Monitor, New York, February 2008, vol.56 no.2.
"Green Energy: the Next Frontier for Electrical Engineers Part 3", article in IEEE Monitor, New York, October 2007, vol.55 no.7.

Long Island Section Awards

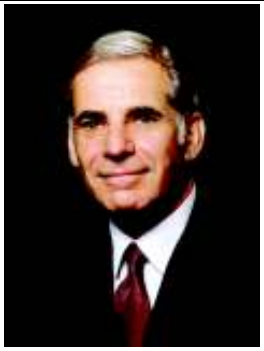
Friend of the IEEE Long Island Section Award

BROOKHAVEN NATIONAL LABORATORY

"For Many Years of Support of the IEEE Long Island Section by Hosting Meetings of the Nuclear and Plasma Science Society"

One of ten national laboratories overseen and primarily funded by the Office of Science of the U.S. Department of Energy (DOE), Brookhaven National Laboratory conducts research in the physical, biomedical, and environmental sciences, as well as in energy technologies and national security. Brookhaven Lab also builds and operates major scientific facilities available to university, industry and government researchers. Brookhaven is operated and managed for DOE's Office of Science by Brookhaven Science Associates, a limited-liability company founded by the Research Foundation for the State University of New York on behalf of Stony Brook University, the largest academic user of Laboratory facilities; and Battelle, a nonprofit, applied science and technology organization.

BROOKHAVEN
NATIONAL LABORATORY



Lifetime Achievement Award

HENRY BACHMAN

BAE Systems (Retired)

"For an Outstanding Career in Engineering Management and Dedication to the IEEE at All Levels Including Serving as Its President"

Mr. Bachman received the B.E.E. degree (l95l) and the M.E.E. degree (l954) from Polytechnic Institute of NYU (then Brooklyn Poly). Henry attended Harvard Business School's Advanced Management Program in l972. His engineering career began at Wheeler Laboratories where he held various technical and managerial positions until becoming President in l968. He joined BAE SYSTEMS (formally Hazeltine Corporation) when, as a subsidiary company, Wheeler Laboratories merged with the parent company in l970. He served as Vice President with responsibilities including Logistics Engineering, Quality, Customer Service, Operations, Engineering, Market Planning and Special Projects. He retired in 1995, but continued part time until 2009. He also served as a consultant to the Center for Advanced Technology for Sensor Systems at SUNY, Stony Brook, until 2011. He is a Member of the Board of Directors of the publically traded company, Wireless Telecom Group. He is a former Trustee, a Fellow and a Distinguished Alumnus of Polytechnic University of NYU and Past Chairman and Director of the Alumni Association.

Mr. Bachman is a Life Fellow and Past President (1987) of the IEEE and has served on the Board of Directors (1981-1988) and many other IEEE Committees and Boards. He has also served as President (1994-1999), a Director (1986-2002) and is President Emeritus of the IEEE Foundation. IEEE awards include the Centennial Medal, 1984; Engineering Management Society Manager of Year, 1985; Haraden Pratt, 1995 and Millennium Medal, 2000.

Mr. Bachman is a Fellow, AAAS; Past Chairman and Director, Long Island Forum for Technology; past Member of the Board of Directors, Huntington Arts Center; and an Eminent Member of Eta Kappa Nu and a member of Tau Beta Pi and Sigma Xi. He is listed in several Marquis Who's Who publications, including Who's Who in America.

Fellow Award

DR. CRAIG L. WOODY

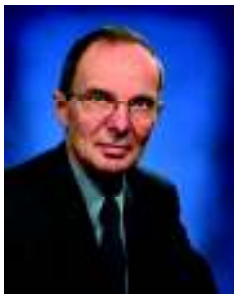
Brookhaven National Laboratory

"For the Development of Radiation Detectors for High Energy and Nuclear Physics and Medical Imaging"

Craig L. Woody is a Senior Physicist in the Physics Department at Brookhaven National Laboratory. He received his B.A., M.A. and Ph.D from John Hopkins University in 1973, 1974 and 1978, respectively, having carried out his thesis research in high energy particle physics at the Stanford Linear Accelerator Center. After one year as a postdoctoral Research Associate at Stanford University, he joined Brookhaven Lab in 1979, where he has remained ever since.

His main area of interest is in the development of particle detectors for high energy and nuclear physics and medical imaging, and he is included on three US Patents. Craig has worked on particle physics experiments at the European Organization for Nuclear Research (CERN) in Geneva, Switzerland and the Brookhaven Alternating Gradient Synchrotron, and he is currently working on the PHENIX Experiment at the Relativistic Heavy Ion Collider at Brookhaven. He was Group Leader of the PHENIX Group at Brookhaven from 2001-2008.

Dr. Woody has been involved with numerous IEEE activities throughout his career. He was President of the Nuclear and Plasma Sciences Society from 2009-2010, and served as an elected member to its AdCom from Radiation Instrumentation from 2006-2009. He also served on the NPSS Radiation Instrumentation Steering Committee (RISC) from 2001 to 2003, and was Chair of RISC from 2004 through 2005. He was Chair of the Joint Oversight Committee of RISC and the Nuclear Medical Imaging Sciences Council from 2006-2008, and is still currently serving on the Oversight Committee. He was General Chair of the Nuclear Science Symposium and Medical Imaging Conference in Toronto in 1998 and served as Deputy NSS Chair in Albuquerque in 1997. Dr. Woody is also a Fellow of the American Physical Society from the Division of Particles and Fields.



DR. GRAHAM C. SMITH

Brookhaven National Laboratory

"For contributions of detectors for X-Rays, charged particles and thermal neutrons"

Graham Smith received his B.Sc. in 1970, and his Ph.D. in 1974, both in Physics, at Durham University, England. He then spent eight years as a postdoctoral research associate in the physics department at Leicester University, England, developing multiwire chambers and microchannel plates for imaging experiments in X-ray astronomy.

In 1982 he joined Brookhaven National Laboratory's Instrumentation Division to participate in development of high accuracy position-sensitive detectors and electronics for synchrotron experiments. He undertook an extensive program that studied some of the fundamental limitations to position resolution in gas-filled detectors for X-rays, resulting in a much improved understanding of the role played by the range of the photo-electron. A suite of position sensitive detectors was developed with unparalleled position resolution and low differential non-linearity.

He now leads the Gas and Liquid Detector group in Instrumentation Division, developing detectors for ionizing radiation measurements in synchrotron, neutron and particle physics. He has helped to create new position encoding techniques for many types of gas detector, some of which have been incorporated into sub-systems of the ATLAS experiment at the Large Hadron Collider at CERN, and the PHENIX experiment at Brookhaven's RHIC facility.

His research group has developed and fabricated thermal neutron detector systems, for user facilities such as the spallation neutron source at Oak Ridge, and others in the US and Australia. This work involves fundamental studies of the neutron conversion process, and has resulted in neutron systems with unmatched precision and stability.

He received Brookhaven's Research and Development Award in 1996, and the IEEE Long Island Regional Award for Contributions to High Energy Physics in 1998.

Region 1 Awards

Technological Innovation Award (Industry or Government)

LLOYD BLUEWEISS

The Omnicon Group

"For the Development of Innovative RADAR Analysis and Accurate Evaluations of RADAR Performance"

Lloyd Blueweiss graduated with honors from McGill University in 1977 with a major in Biology and a minor in Mathematics. Lloyd continued with graduate work at Stony Brook University where he conducted research in mathematical modeling of marine ecosystems in the Bering Sea. His lifelong interest in electronics and knowledge from amateur radio eventually led him to change majors and earn a Master's Degree in Electrical Engineering from Stony Brook University in 1984. He later received an MBA from the New York Institute of Technology in 1992.

Lloyd began his engineering career at Ademco, designing Automated Test Equipment. He moved to Gull Aerospace (now Parker Hannifin) where he continued to develop innovative, automated methods to test Fuel Systems. While at Parker, his expertise in hardware, software, and systems enabled him to lead the design and development of airborne and portable Flight Inspection Systems for the FAA and its international counterparts. Lloyd was also responsible for the first successful DO-178 Level A software certification for the Airbus A340 fuel management system.

In 2004, Lloyd accepted a position as Lead Systems Engineer for Telephonics Corporation, developing the communications systems upgrade for Air Force One (VC-25A).

For the past six years, Lloyd has worked for the Omnicon Group, performing software development and systems analysis for radar and IFF applications. Working for Omnicon at Telephonics, Lloyd developed an innovative approach to RADAR analysis, combining MATLAB with Google Earth to provide visualization of platform-to-target geometry from recorded flight data. Resulting measurements, combined with enhancements to model the effects of multipath, provided accurate evaluation of both the RADAR performance, as well as providing independent validation of the detection performance model and the existing RADAR simulator.

Lloyd is an avid sailor and is looking forward to the time when he can sail every day in a warm, tropical climate.

Technological Innovation Award (Industry or Government)

THOMAS LANZISERO

Underwriters Laboratories

"For Innovative Technical Contributions for Applied Safety Science and Engineering Techniques (ASSET)"

Thomas Lanzisero is a Senior Research Engineer at UL (Underwriters Laboratories) in Melville, NY with more than 25 years of applied practice in safety engineering. He earned his Bachelor of Electrical Engineering degree from Manhattan College with honors, inducted into the engineering (Tau Beta Pi) and electrical engineering (Eta Kappa Nu) honor societies. Tom is a licensed and registered Professional Engineer (P.E.) and principal instructor and practitioner of Hazard Based Safety Engineering (HBSE). He has led development of Applied Safety Science and Engineering Techniques (ASSET™), including the ASSET Safety Management Process for informed decisions to achieve, maintain and continuously improve safety as a design objective.

This work has been published and presented at a number of IEEE venues including the 2010 and 2011 International Symposium on Product Compliance Engineering by the IEEE Product Safety Engineering Society, the 2011 IEEE Chicago Argonne National Laboratories Technical Conference, and as a keynote presentation on the safety of consumer electronics into the future at the 2012 International Conference on Consumer Electronics by the IEEE CES. In different forms, this work was also published and presented for other venues and organizations, including the International Consumer Product Health and Safety Organization (ICPHSO 2011), the Association of Southeast Asian Nations (ASEAN), the American Society of Safety Engineers (ASSE) and NASA (2009 NASA Aerospace Battery Workshop).

An IEEE Senior Member, Tom now serves as Secretary of the IEEE LI Section. He is Founding Chair of the Long Island Chapter of the IEEE Product Safety Engineering Society (PSES) and Vice Chair of the IEEE Risk Assessment Technical Committee (RATC). He Mrserves as technical expert in committees for electric shock protection and risk management, including US National Committee Technical Advisory Groups (USNC TAGs), the International Electrotechnical Commission (IEC TC64 MT4) and the International Organization for Standardization (ISO 31000 / ANSI Z690).

Region 1 Awards

Technological Innovation Award (Industry or Government)

RICHARD LAW

BAE Systems

"For Contributions to Combined Synthetic Aperture RADAR and Electro-Optical Data Fusion for Application to Airborne Target Recognition"

Richard Law is a Program Engineering Manager in the Persistent Surveillance product line of BAE Systems in Greenlawn. His engineering career has concentrated in two different industries: Defense Electronics (Grumman Aerospace and Fairchild Camera, now BAE Systems); and Printing Equipment (Linotype, Data Recording Systems). While at Grumman he worked in the Computer Engineering department developing data handling equipment for a scientific satellite, the Orbiting Astronomical Observatory, and the recording equipment for an electronics warfare aircraft, the EA-6B. He was a software engineer at Linotype for their first desktop phototypesetter family and was the Software Manager at Data Recording Systems where he helped develop a high resolution laser printer and ancillary equipment.

At BAE Systems Richard was the Software Manager for Reconnaissance and Surveillance. He was a major contributor to their Program Loader / Verifier products. After his tour as a functional manager, he moved to the product development side of the matrix. There he was the Program Engineering Manager for the Theater Airborne Reconnaissance System (TARS), a two-camera electro-optical pod with image storage and data link that was flown on F-16 aircraft in the Iraq war. The IEEE award is for an R&D TARS derivative that demonstrated improved probability of target recognition and reduced probability of false alarms through data fusion of synthetic aperture radar and electro-optical images.

Richard earned a Bachelor of Engineering degree at The Cooper Union School of Engineering, a Master of Science in Electrical Engineering from NYU-Poly and a Master of Business Administration from Adelphi University. He is a licensed Professional Engineer, and an IEEE Life member.

Region 1 Awards

Outstanding Support of the Mission of the IEEE

T. DAVID BOMZER

Day Pitney LLP

"For Effective Leadership of IEEE LISAT Exhibits and Logistics"

Mr. Bomzer is counsel in Day Pitney's Intellectual Property department, in the New York office. He practices in the areas of litigation, opinion writing, and prosecuting patent applications for domestic and foreign clients relating to inventions in the mechanical, electrical, electromechanical, telecommunication, software, and business method arts. Mr. Bomzer is skilled with the prosecution of international, regional, national stage and other foreign patent applications.

Prior to earning a J.D., Mr. Bomzer worked as a shock analysis and structural dynamics engineer at the Electric Boat Corporation, as a chemical process engineer with Pall Corporation, and as a structural design engineer with the Ryder Truck Company in its commercial car carrier division. In addition, Mr. Bomzer has taught undergraduate and graduate-level mechanical engineering courses at the Polytechnic Institute of New York University and the New York Institute of Technology.

Mr. Bomzer is an active member of the IEEE, and he currently fills the role of 2nd Vice Chair of the Long Island Section, 2nd Vice Chair of the Legal Affairs Affinity Group, and Vice Chair of the Communications Society.

Outstanding Support of the Mission of the IEEE

TERRY STRATOUDAKIS

ALE Systems Integration

"For Development of the IEEE LISAT CEU Track and Exhibits"

Terry Stratoudakis, P.E. has over fourteen years experience in automation. He is currently the President and co-founder of ALE System Integration, a National Instruments Certified Partner; he is currently working on his second venture Wall Street FPGA as Executive Director. Terry's background includes automated test system design, control system design, process control, instrument control, air flow testing, sound & vibration analysis, automated calibrations, control systems, FPGA programming, and project management.

Prior to working at ALE Terry worked for six years at Underwriters Laboratories (UL) designing automated systems for product safety testing; the systems interfaced with enterprise-wide databases as well as a wide range of equipment. While at UL Terry working on automated test systems for wire connectors, flame testing, insulation resistance, GFCIs, Temperature Indicating and Regulating Equipment (T.I.R.E.), plastics testing, EXIT sign testing, component testing for the automotive industry, and other areas. He taught instrumentation as an Assistant Adjunct Professor at the New York City College of Technology of the City University of New York (CUNY).

Terry holds a Master of Science and Bachelor of Science in Electrical Engineering from Polytechnic University (NYU-Poly); while in college he interned at Brookhaven National Laboratories in the RHIC experiment's Instrumentation Group. He is a New York State licensed Professional Engineer and a National Instruments Certified LabVIEW Architect and Certified Professional Instructor.

Terry is currently chairperson of the IEEE Long Island Consultants Network and Instrumentation & Measurement Society. He is a member of Global Technical Committee (GTC) and Inter-Party Latency Working Group of the FIX Protocol Limited (FPL) and chairperson of Long Island Section's Instrumentation & Measurement Society of the Institute of Electrical and Electronics Engineers (IEEE).

Region 1 Awards

Managerial Excellence in an Engineering Organization Award

PHILIP FERRARO

BAE Systems

"For Contributions to Engineering Management in the Fields of Reliability, Maintenance, Product Safety, Testability and Logistics."

Phil Ferraro has over 30 years experience in the aerospace and defense industry at BAE Systems (starting with the legacy Hazeltine Corporation). For the past ten years Phil has managed the Support Engineering disciplines of Reliability, Maintainability, Product Safety, Logistics, Components and EMI. Phil received a Master of Science degree in Electrical Engineering from the Polytechnic University in 1986 and a Bachelor of Science in Electrical Engineering Technology from the New York Institute of Technology in 1980. He's a member of the IEEE since 1980. During Phil's career he has worked on various types of products including: Identify Friend or Foe (IFF) where he lead the Support Engineering team of engineers in the development and fielding of the Common Transponder (AN/APX-118), the Digital Interrogator (AN/UPX-41), and the airborne Combined Interrogator and Transponder (AN/APX-111 and AN/APX-113); airborne Mission Computer and Displays where he lead the Support Engineering efforts on the Wedgetail project and the Multi-Mission Maritime Aircraft project for the US Navy; and he was a member of the design team for other equipment including the Microwave Landing System for the FAA, various antenna development programs, VRC-99 communication radio for the US Army and the Seek Talk radio for the US Air Force. As BAE Systems expanded and reorganized over the years, the department Phil managed also grew and reorganized. His group size varied from 10 engineers to 30 engineers and included multiple sites in 5 states where his group worked on space equipment, Future Combat System communication equipment, Infrared Weapons Sights, and laser targeting equipment. During this time, Phil has been married to his wife Janet and they raise 3 children Matthew, Jessica and Sarah and he's now looking forward in 2013 to the marriage of Matthew to his fiancé Dana and Jessica to her fiancé Jeff.

Managerial Excellence in an Engineering Organization Award

JONATHAN GARRUBA

Northrop Grumman Corporation

"For Leadership in Developing Innovative Engineering Solutions for Complex Military Programs"

Jon Garruba currently serves as Northrop Grumman's Flight Avionics Program Manager for the E-2D Advanced Hawkeye, which is the US Navy's Advanced Early Warning-Battle Management Command and Control platform, or "The Eyes and Ears of the Fleet." For the past 3 years, he has directed all phases of design, manufacture, testing, and support of the navigation, guidance, flight control and cockpit display equipment.

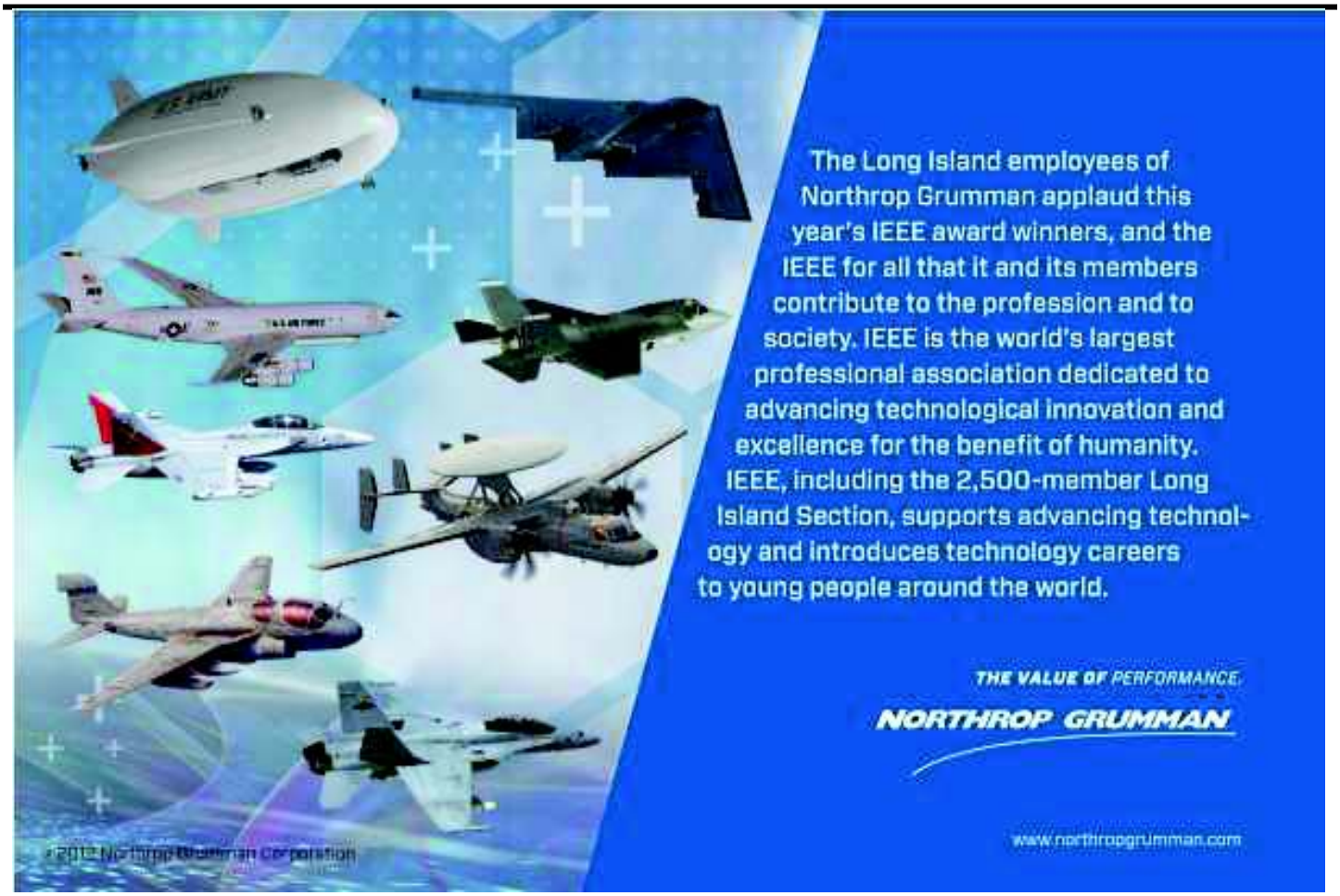
Previously, Jon served as Lead Systems Engineer for E-2D Flight Avionics group responsible for all technical aspects of the system. As a result of his work, he was awarded the prestigious Integrated System's President's award in 2008. In 2009, he was a recipient of the Northrop Grumman Chairman's award, presented to individuals or teams who have distinguished themselves through extraordinary performance and outstanding contributions in the areas of innovation and technology, customer satisfaction, and operational excellence. As Mission Computer System architect for E-2D, he lead a research and development team to identify avionic computer architectures that provide increased flexibility and cost saving benefits, through the utilization of commercial products and open architecture designs. He received the 2004 IEEE Long Island Section's Outstanding Young Engineer Award "For Outstanding Leadership and Technical Contributions to Advanced Avionics."

Jon received dual bachelor's degrees from NYU Poly in Electrical Engineering and Computer Engineering. In addition, Jon earned two master's degrees, in Computer Science from NYU Poly and in Business Administration from Dowling College. In 2009, Jon graduated from the Department of Defense's most prestigious acquisition program, DAU's (Defense Acquisition University) PMT-401.

Jon has served in a series of elected offices with the Long Island Section, from Secretary in 2008 through Chairman in 2010. His work here helped provide an opportunity to refine his leadership skills, while personally contributing to the advancement of the engineering profession on Long Island. Holding these positions has provided the added benefit of amassing a large network of contemporaries, engineers and colleagues that undoubtedly will be an invaluable asset in the future.

In 2011, Jon and a few partners founded a new digital media company that strives to evolve digital communications by elevating users to community stake-holders who can act on behalf of its members instead of just its shareholders. Community members may participate in all aspects of the digital community- from member communications through strategic planning, and member rewards.

Most importantly, Jon is a dedicated husband and devoted father, who enjoys nurturing and inspiring the insatiable curiosities of his two young daughters.



Region 1 Awards

Managerial Excellence in an Engineering Organization Award

STEPHEN O'BRIEN

ITT Exelis

"For Technical Leadership in the Development of RF and Receiver Technology Subsystems for Defense and Space Products"

Mr. O'Brien received his B.S.E.E. degree from the University of Massachusetts in 1984 and his M.S.E.E from Polytechnic Institute of New York in 1988.

He joined AIL Systems Inc in 1984 as a microwave engineer in the Advanced Integrated Components group. Starting in amplifier and oscillator component design, Mr. O'Brien enjoyed a series of projects moving from component design into the design of synthesizer and receiver subsystems. His designs have been incorporated into airborne platforms such as the B1-B self protect system and the EA-6B stand-off jamming system as well as several high-reliability and space-based platforms.

Currently he holds the title of Chief Engineer for the Sensors and Microelectronics group under ITT Exelis. Mr. O'Brien has worked with microwave receivers and subsystems for space applications for over 20 years. In his current position Mr. O'Brien is responsible for overseeing the development of microwave and millimeter wave instruments for remote sensing applications both terrestrial and space-based.

Managerial Excellence in an Engineering Organization Award

THOMAS SCHNEIDER

Telephonics

"For Technical Management of EMC Testing of Complex Electronic Systems"

Mr. Schneider has been at Telephonics since 2006 and has progressed to a Principal Engineer position in the System Verification and Validation organization. He is an often sought after "Subject Matter Expert" in EMI/EMC with responsibilities from initial proposal through post Qualification "on platform" validation support.

Prior to his current employment at Telephonics, Mr. Schneider held a progression of assignments at his previous employer, Retlif Testing Laboratories, where he became a NARTE Certified Test Lab Engineer and ultimately pioneered the leadership of a newly established evening EMC test initiative.

Mr. Schneider has also played a key role in the Long Island Section of the IEEE, including chairmanship of the EMC Chapter in 2008. Mr. Schneider received a BSEE Summa Cum Laude from Polytechnic University in 1994. Prior to attending college, Mr. Schneider served his country as an Electronics Technician in the United States Coast Guard.

IEEE LISAT2012

Long Island Systems, Applications, and Technology Conference

Friday, May 4, 2012
7:30 AM sign-in; 8 AM start

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

THREE ALL-DAY PARALLEL TECHNICAL TRACKS

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

Systems

- Trellis Demodulation of Two-Level Reed-Solomon-Modulated FH-CDMA Wireless Communication Systems
- Smart Glove
- Local IP Flow Mobility to Enhance Femto-cell Benefits for Open Metro Deployment
- Next Generation Emergency Management Common Operating Picture Software/Systems (COPSS)
- The Impact of Major Catastrophes on the Global Supply Chain
- Direct Maximum Likelihood Localization for FBMC Modulated Signals
- Engineering of Fiber Optics Infrastructure
- Multisensor Fusion of Visual and Thermal Images for Human Face Identification using Different SVM Kernels
- Practical Implementation of MIMO-OFDM Systems on WARP for Comparison and Equivalency of MIMO Precoders
- Wireless Multimedia Sensor Networks: Unveiled

Applications

- Improving Efficiency and Reliability of Building Systems Using Machine Learning and Automated Online Evaluation
- A Gratis Method for Video Capture on Linux - Based Operating Systems
- Information Security in Electronic Healthcare Systems: A Roadmap to Successful Implementation
- A Self-adaptive Data Aggregation Algorithm for Fault Tolerant Wireless Sensor Networks
- Automatic Segmentation Algorithm for Brain MRA Images
- Control of an Autonomous Underwater Vehicle
- Connecting the Classroom & Community via a Real-World IT Service-Learning Project: Impacting Students and Making a Difference in the Senior Community
- Implementation of Fault Tolerance Algorithm to Restore Affected Nodes in Scheduling Clusters
- XSSmon: A Perl Based IDS for the Detection of Potential XSS Attacks
- Quantifying the Emissions Impact of Dynamic Electricity Tariffs in New York City
- Applied Safety Science and Engineering Techniques and the ASSET Safety Management Process
- A biometrics-based secure architecture for mobile computing
- Wireless Multimedia Sensor Networks Progress and Challenges: A Survey
- An LEGO based undergraduate control systems laboratory
- Using Assistive Technologies to Improving the Lives of Older Individuals and People with Disabilities
- MIMO/OFDM Convex Optimization Applications

Technology

- Color Image Encryption Using Multiple Reference Joint Transform Correlation
- Engineered Nanoparticles for Targeted Drug Delivery
- Smart Textiles Based Wireless ECG
- Backplane Electronics for Large-Area OLEDs
- Nanostructures for Superhydrophobic Coatings
- Cadmium Zinc Telluride Crystals for X-ray and Gamma-ray Detectors
- A Web Server Design Using Search Engine Optimization Techniques for Web Intelligence for Small Organizations
- CLICHÉ Network on Chip: A Novel Multichannel Acquisition Module for a High Throughput Architecture
- Low Cost Laser Diode Temperature Controller
- Design of Hairpin Line Filter
- Control System Design from Inverse Closed Loop Specification
- Performance of Aluminum-Doped Zinc Oxide under Bending Fatigue Conditions
- Dynamic Matrix Control for Optimal Operation of a Debutanizer Distillation Column

INDEPENDENT SIX-HOUR CEU/PDH TRACK

"Power/Energy/Industrials"

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

EXHIBITS HALL

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

POSTER SESSION

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

PRODUCT APPLICATIONS TRACK

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

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

IEEE LISAT 2012

Long Island Systems, Applications, and Technology Conference

Friday, May 4, 2012
7:30 AM sign-in; 8 AM start

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

PROGRAM AT A GLANCE

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

Time	Systems Track Lupton Hall Room T-101	Applications Track Lupton Hall Room 190	Technology Track Lupton Hall Room 161	Product Applications Track *Roosevelt Hall Room 109*
7:30-8:00	REGISTRATION IN ROOSEVELT HALL			
8:00-8:30	Opening Ceremony and Keynote Presentations *Roosevelt Hall - Little Theater*			
	For details on these tracks go to www.ieee.li/lisat			
8:30-9:00	BREAK : *Roosevelt Hall Multi-Purpose Room Exhibits Area*			
9:00-10:15	Session S1 Papers S1-S3	Session A1 Papers A1-A3	Session T1 Papers T1-T3	Open
10:15-10:45	BREAK : *Roosevelt Hall Multi-Purpose Room Exhibits Area*			
10:45-12:00	Session S2 Papers S4-S6	Session A2 Papers A4-A6	Session T2 Papers T4-T6	Open
12:00-1:30	LUNCH : *Roosevelt Hall Multi-Purpose Room Exhibits Area*			
1:30-2:45	Session S3 Papers S7-S9	Session A3 Papers A7-A9	Session T3 Papers T7-T9	Open
2:45-3:15	BREAK : *Roosevelt Hall Multi-Purpose Room Exhibits Area*			
3:15-4:30	Session S4 Papers S10-S12	Session A4 Papers A7-A9	Session T4 Papers T7-T9	Open

CEU/PDH Track
Power/Energy/Industrials
Roosevelt Hall Rm. 111
See LISAT website for details: www.ieee.li/lisat

Time	CEU/PDH Track
8:35-10:15	Session I Overhead system Condition Assessment and Maintenance (0.2 CEUs)
10:15-10:30	BREAK
10:30-12:10	Session II Arc Flash Mitigation Strategies for Metal-Clad Switchgear (0.2 CEUs)
12:10-1:10	LUNCH
1:10-2:50	Session III Generator Sizing Pitfalls (0.2 CEUs)
2:50-3:15	BREAK

Poster Session

Roosevelt Hall Multi-Purpose Room (Exhibits Area)

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

Register at LISAT web site:

www.ieee.li/lisat

REGISTRATION RATES

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

About the IEEE LI Section Awards

ALEX GRUENWALD AWARD

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

ATHANASIOS PAPOULIS AWARD

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

CHARLES HIRSCH AWARD

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

FRIEND OF THE IEEE LONG ISLAND SECTION AWARD

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

HAROLD WHEELER AWARD

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

LIFETIME ACHIEVEMENT AWARD

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

OUTSTANDING STUDENT BRANCH AWARD

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

OUTSTANDING VOLUNTEER AWARD

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

OUTSTANDING YOUNG ENGINEER AWARD

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

About the IEEE Region 1 Awards

TECHNOLOGICAL INNOVATION (INDUSTRY OR GOVERNMENT)

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

MANAGERIAL EXCELLENCE IN AN ENGINEERING ORGANIZATION

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

ENHANCEMENT OF THE RELATIONSHIP BETWEEN IEEE AND INDUSTRY

For significant contributions in an enhanced IEEE-INDUSTRY relationship

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

For significant contributions in developing IEEE-PUBLIC relationship.

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

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

About the IEEE Fellow Award

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

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

IEEE MISSION & VISION

Mission Statement

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

Vision Statement

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

IEEE facts

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

SPECIAL THANKS TO OUR AWARDS NOMINATION COMMITTEE

Jesse Taub, Chairman

Nikolaos Golas
Dr. Ralph James
Alfred Lopez
Rod Lowman
Dr. Velio Marsocci
Richard Mohr
Dr. Arlene Zhang

IEEE LONG ISLAND SECTION Quick Facts

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

2012 IEEE Long Island Section
Awards Banquet Supporters Honor Roll:

ARL Associates
BAE Systems
ITT Exelis Corporation
Northrop Grumman Corp.
PACS Industries, Inc.
Retlif Testing Laboratories
Stony Brook University
The Omnicon Group
Telephonics Corp.

Advanced Technical Marketing
Aeroflex ATS
Agilent Technologies
ALE System Integration
Brookhaven National Laboratory
Contech Marketing
EmPower Solar
EOX Sales
Farmingdale State College
L-3 Communications/Narda
LI Consultants Network (LICN)
Microcom Sales
National Instruments
Project Management Institute (PMI) LIC
Rohde & Schwarz, Inc.
Spectrum Sales
Superior Technical Solutions Corp.
Underwriters Labs

IEEE PREVIOUS MEMBER RECOGNITION

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

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

GRUENWALD AWARD
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

HIRSCH AWARD
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 Donal Neuf
1996 Peter McVeigh
1995 Christopher Kaiteris
1994 Richard Kumpfbeck
1993 Zdenek Adler
1992 Mathew Dwork
1991 Ronald Rudish
1990 Sol Greenberg
1989 George Sandler
1988 Donald Grieco
1987 Roderic Lowman
1986 Stephen Shapiro
1985 Joseph Calviello
1984 Richard Frazita
1983 Prof. E. J. Smith
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