



IEEE Long Island Section

2004 Annual Awards Ceremony

MESSAGE FROM THE CHAIRMAN

Welcome to the 2004 Awards Banquet. We are proud to present these awards, which honor outstanding achievement in engineering. Long Island has had a tradition of pioneering innovation and accomplishment in technology, and we have been a part of the IEEE for decades. In fact, last year the IEEE presented the Long Island Section with a special banner to commemorate our 50th Anniversary, which is on display for the first time this evening.

Last year the Long Island Section created a new award aimed at recognizing achievement in technical education. Tonight, the Athanasios Papoulis Award for Excellence in Engineering and Technology Education (named to honor the memory of this pioneering educator) will be presented for the first time.

We are pleased to present Mr. Timothy Farrell as the keynote speaker for this evening. Mr. Farrell joins us from Northrop Grumman Corporation, where he currently serves as Vice President and IPT Leader for AEW Programs. In the following pages, you will find background information on each award recipient and our keynote speaker. Please take a moment to review the outstanding accomplishments of these fine individuals.

I would like to thank our corporate sponsors, whose generous support enables the LI Section to provide quality services to our members. Thanks to Dave Wolff for organizing a wonderful event for this evening, and to Dan Rogers for his assistance. Thanks are also in order to Jesse Taub and the Awards Committee, and all the volunteers serving in the Executive Committee. Your EXCOM volunteers work hard and constantly strive to make this section the best it can be. In closing, I'd like to thank all the IEEE members on Long Island, who have contributed so much to our profession and the nation over the decades.

Congratulations to our Awardees!

Christian DiFranco, April 16, 2004



IEEE Awards Ceremony Agenda

6:00 - 7:00 PM	Guest Arrival, Hors d'oeuvres	8:00 - 9:00 PM	Dinner
7:00 - 7:10 PM	Call to Order, Welcome Christian DiFranco Chairman, IEEE, L.I. Section	9:00 - 9:15 PM	IEEE Region 1 Awards Jesse Taub, Awards Chairman
7:10 - 7:30 PM	Keynote Address: Vice President and IPT Lead for AEW Programs Northrop Grumman Corporation	9:15 - 9:25 PM	IEEE Fellow Award Jesse Taub, Awards Chairman
7:30 - 7:45 PM	IEEE Long Island Section Volunteer Recognition Christian DiFranco	9:25 - 9:30 PM	Closing Remarks Christian DiFranco Chairman, IEEE, L.I. Section
7:45 - 8:00 PM	IEEE Long Island Section Awards Jesse Taub, Awards Chairman	9:30 - 10:00 PM	Dessert and Coffee



www.IEEE.LI

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

2004

SECTION OFFICERS

CHAIR: Christian DiFranco, Data Device Corporation
1st VICE CHAIR: Daniel Rogers, Telephonics Corporation
2nd VICE CHAIR: David Wolff, BAE Systems
TREASURER: Bill DeAgro, Northrop Grumman Corporation
SECRETARY: Basiru Samba, Morgan Stanley
JUNIOR PAST CHAIR: Dave Mesecher, Northrop Grumman Corporation
SENIOR PAST CHAIR: William Rooney, Northrop Grumman Corporation

SOCIETY CHAPTER CHAIRS

Aerospace and Electronic Systems: Richard S. Pierro, Technology Service Corporation
Antennas and Propagation: Kurt Vetter, Brookhaven National Labs
Communication: Dave Mesecher, Northrop Grumman Corporation
Computer: Daniel Rogers, Telephonics Corporation
Electromagnetic Compatibility:
Chair: Richard Mohr, R.J. Mohr Associates
Vice chair: Santo Mazzola, BAE Systems
Engineering in Medicine and Biology: Joel Levitt, Pratt Institute
Lasers and Electro Optics:
Chair: Efrain Avila, Unwired Technology
Associate Chairman: Gregory Hovagim, Student
Instrument and Measurement: Ken Jacobsen
Microwave Theory and Techniques: James Colotti, Telephonics Corporation
Nuclear and Plasma Sciences:
Chair: Ralph James, Brookhaven National Laboratories
Vice Chair: Arlene Zhang, Brookhaven National Laboratories
Power Engineering: Alan Osborne
Signal Processing: Babak Beheshti, NYIT
Vehicular Technology: Brad Craig,
Arlene W. Zhang, Brookhaven National Laboratories

ACTIVITY LEADERS

Awards Nomination: Jesse Taub, Consultant
Educational Activities: Charles Richardson, retired, Sperry Gyroscope Co.
Employee Assistance: Bruce Willard, Telephonics Corporation
LI Consultant's Network: Irwin Weitman, Consultant
EJCLI: Charles Richardson, retired, Sperry Gyroscope Corporation
Historian: Roderic V. Lowman
IEEE USA: Robert Bruce, Consultant
Industry Liaison: Dave Mesecher, Northrop Grumman Corporation
LIMSAT: Frederick Kruger, Kruger Associates Inc.
Membership Development: Ted Pappas, Keyspan Energy
Nominations: William Rooney, Northrop Grumman Corporation
PACE: Irwin Weitman, Consultant
Professional-Society Liaison: Dave Mesecher, Northrop Grumman Corp.
Pulse Business Manager and Editor: Babak Beheshti, NYIT
Student Activities: David Wolff, BAE Systems
Tellers Committee: John Peterson, Consultant
Webmaster: James Colotti, Telephonics Corporation

Student Officers

SUNY Stony Brook: Gregory Hovagim, President
SUNY Farmingdale: Russell Bannan, President
Hofstra University: Jamie Patterson, President

EX OFFICIO OFFICERS

Region 1 Director: Roger Sullivan
Area B Chair: Gerhard Franz
METSAC Chair: Ernest A. Heidelberg

2003

SECTION OFFICERS

CHAIR: Dave Mesecher, Northrop Grumman Corp.
1st VICE CHAIR: Christian DiFranco, Data Device Corp.
2nd VICE CHAIR: Daniel Rogers, Telephonics Corp.
TREASURER: David Wolff, BAE Systems
SECRETARY: Amy Wang, Symbol Technologies
JUNIOR PAST CHAIR: William Rooney, Northrop Grumman Corp.
SENIOR PAST CHAIR: Babak Beheshti, NYIT

SOCIETY CHAPTER CHAIRS

Aerospace and Electronic Systems: Richard S. Pierro, Technology Service Corporation
Communication: Dave Mesecher, Northrop Grumman Corporation
Computer: Daniel Rogers, Telephonics Corp Corporation
Electromagnetic Compatibility:
chair: Bruce Willard, Telephonics Corporation
vice chair: Richard Mohr, R.J. Mohr Associates
Engineering in Medicine and Biology: Joel Levitt, Pratt Institute
Lasers and Electro Optics: John Peterson, Consultant
Instrument and Measurement: Ken Jacobsen
Microwave Theory and Techniques: Mike Hanczor, Lockheed Martin Corporation
Nuclear and Plasma Sciences: Arlene Zhang, Brookhaven National Laboratories
Power Engineering: Alan Osborne
Signal Processing: Babak Beheshti, NYIT
Vehicular Technology: Brad Craig,
Arlene W. Zhang, Brookhaven National Laboratories

ACTIVITY LEADERS

Awards Nomination: Jesse Taub, Consultant
Educational Activities: Charles Richardson, retired, Sperry Gyroscope Co.
LI Consultant's Network: Irwin Weitman, Consultant
EJCLI: Charles Richardson, retired, Sperry Gyroscope Co.
Historian: Roderic V. Lowman
IEEE USA: Robert Bruce, Consultant
LIMSAT: Frederick Kruger, Kruger Associates Inc.
Nominations: William Rooney, Northrop Grumman Corp.
PACE: Irwin Weitman, Consultant
Pulse Business Manager and Editor: Babak Beheshti, NYIT
Student Activities: David Wolff, BAE Systems
Tellers Committee: John Peterson, Consultant
Webmaster: James Colotti, Telephonics Corp.

EX OFFICIO OFFICERS

Region 1 Director: Gerald Alphonse, Sarnoff Labs
Area B Chair: Charles Rubenstein, Pratt Institute
METSAC Chair: Alan Stolpen

Congratulates This Years Award Recipients!

Section Awards

Outstanding Young Engineer: Jonathan Garruba
 Charles Hirsch Award: Raj Bridgelall
 Alex Gruenwald Award: Charles Rubenstein
 Harold Wheeler Award: Arie Kaufman
 Athanasios Papoulis Award: Peter Voltz

Region 1 Awards

New Technical Concepts: Kenneth Frank
 New Technical Concepts: James Colotti
 Electrical Engineering Management: Raymond Lackey
 Electrical Engineering Professionalism: Melvin Sandler

Newly Elected Fellows

Wu-Tsung Weng Spencer Kuo



Keynote Speaker

Timothy M. Farrell

Vice President and IPT

Leader for AEW Programs

Northrop Grumman

Corporation

Mr. Farrell graduated from the State University of New York at Stony Brook, Magna Cum Laude in 1982 with a Bachelors in Electrical Engineering (BEEE). He is a Senior member of IEEE, Eta Kappa Nu (National Electrical Engineering Honor Society) and Tau Beta Pi (National Engineering Honor Society). He holds a MBA from Webster University where he graduated with Honors in 2002. Mr. Farrell began his career with Northrop Grumman in November of 1982 as a Test Program Set Engineer for the Integrated Logistic Support (ILS) organization on the EF-111 Program. Mr. Farrell joined the Joint STARS Program at its inception as a Senior Engineer in the ILS Design Department and held a series of ever increasing responsible positions.

1987 - 1988	Radar Program Manager
1988 - 1989	Deputy Director of Engineering for Integration and Test
1989 - 1991	Joint STARS Engineering Manager
1991 - 1993	Deputy Director of Engineering
1993 - 1994	Production Program Manager, Prime Mission Equipment
1994 - 1997	Program Director, Joint STARS Support Programs
1997 - 1998	Program Director, Joint STARS Production
1998 - 2000	Deputy Site Manager and Production Program Manager, Lake Charles
2001 - 2002	Program Director, Platform Systems Integration & Modification Capture IPT and Sector MC2A Capture Team Lead
2002 - 2003	Deputy and IPT Lead for AEW Programs
2003 - Present	Vice President and IPT Leader AEW Programs

Mr. Farrell returned to Bethpage in 2002 to join the Integrated Systems AEW & EW team as the Program IPT Director of Advanced Hawkeye Programs, he subsequently was appointed the Director and Deputy IPT lead for AEW programs. On August 14, 2003 Mr. Farrell was appointed the Vice President and IPT Leader for AEW Programs.

Mr. Farrell is married with two sons both attending Florida Colleges.

Long Island Section Awards



Outstanding Young Engineer

Mr. Jonathan Garruba

"For outstanding leadership and technical contributions to advanced avionics"

Jon Garruba is currently the mission system architect for the E-2C Advanced Hawkeye, at Northrop Grumman in Bethpage, NY. He is responsible for the design and development of E-2C mission computer and displays. He completed a BSEE at Polytechnic University in 2000 and began work at Northrop Grumman. After graduation he continued his education and in 2002 completed an MS Computer science degree at Polytechnic University, and an MBA at Dowling College. He is currently working toward his third Master's degree, an MSEE from Polytechnic.

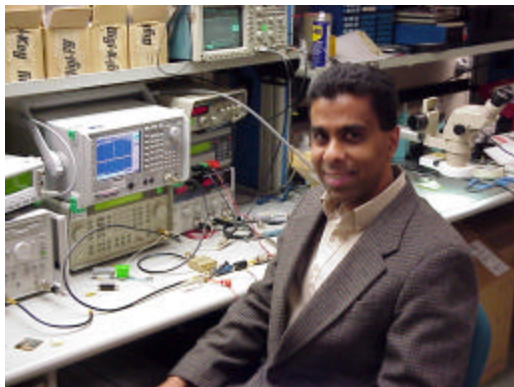
Since joining the Northrop Grumman team four years ago, Jon has played a key part in the design and development of the next generation E-2C, the Advanced Hawkeye.

The E-2C is the Navy's Airborne Early Warning Platform, responsible for defense of the fleet and command and control of Naval air missions. It played a critical role in Operation Iraqi Freedom and Operation Enduring Freedom. As the Advanced Hawkeye mission system architect he is engaged in a variety of electrical engineering assignments related to computer and network architecture.

In 2003 Jon lead a research and development team to identify avionic computer architectures that will provide increased flexibility and cost saving benefits, through the utilization of commercial products and open architecture designs. The result of this research effort is an innovative computer design, which will greatly reduce the time and cost required to upgrade the mission computer with the latest technology. This allows the E-2C to maintain the latest technology, making it a more versatile system capable of taking on new missions.

The Advanced Hawkeye mission system integrates a suite of advanced sensors, data links and computers, including: RADAR, IFF, Satellite Communications, Electronic Support Measures, Mission Computer, and Mission Displays. Communications between these subsystems are managed by the Mission computer and transmitted via an advanced Fiber Optic network. The improved network architecture design, gives the Advanced Hawkeye the capability for Plug-N-Play growth.

Jon States: "I am proud to be a part a part of Northrop Grumman working on the Advanced Hawkeye Program, which contributes to the defense of our nation."



Charles Hirsch Award

Mr. Raj Bridgelall

"For major contributions to the development of radio frequency identification technologies and products"

Raj received his BSEE and MSEE from SUNY at Stony Brook in 1990 and 1991, respectively. Since 1991 he has been a Member of Technical Staff at the Research and Development Division of Symbol Technologies, where he worked on various projects related to mobile computing, automatic data capture, and wireless systems. He is

now the CTO of a newly formed RFID Division within Symbol Technologies. Raj holds over 40 US Patents with numerous others pending, including several on RF communications, wireless networks, non-linear signal processing, adaptive and fuzzy logic scanners. His most significant publications address the performance optimization of wireless communications, RF identification, and laser scanning systems.

While at SUNY Stony Brook, he was President of the Eta Kappa Nu chapter, where he led them to receive their first Merit Award. Raj is a recipient of the Tau Beta Pi Fellowship and the American Society of Naval Engineers Scholarship. He also received the IEEE Outstanding Young Electrical Engineer Award "for significant contributions to the invention and development of the bar code industry's most advanced and versatile laser scan engine." In acknowledging these

and other achievements, the IEEE elevated him to Senior Membership status. Raj's professional highlights include the following:

- First to publish on the design optimization of radio frequency identification systems for long-range asset tracking applications with low-cost passive and multi-mode RF tags. Over 90% of the industry's activities have since been re-focused on tag designs and standardization around this frequency range.
- Pioneered two technological breakthroughs in radio frequency identification systems having to do with robustness of performance near high dielectric materials, and high accuracy real-time location services (RTLS) systems.
- Invented the world's first combination Wireless Local Area Network (WLAN) 802.11b and quad-band GSM/GPRS wireless card in Compact Flash form-factor in 2000. After announcing the breakthrough, his company licensed the technology to far-east manufacturers for incorporation into next generation smart phones, palm computers.
- Invented and lead the commercialization of the world's most compact, adaptive laser scan engine combining high-speed 1D omni-directional and 2D barcode scanning in 1998. Symbol products SE2223 and M2000.
- Co-invented the world's first fuzzy logic based barcode scanner, Symbol product LS3603.



IEEE facts

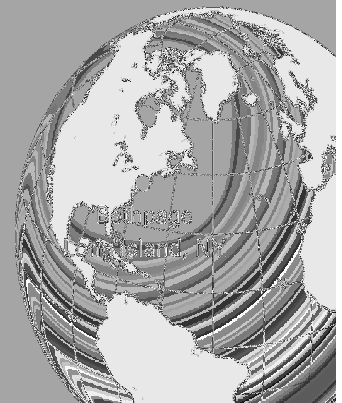
- The IEEE is a non-profit, technical professional association of more than 377,000 individual members in 150 countries.
- The IEEE produces 30 percent of the world's published literature in electrical engineering, computers and control technology.
- The IEEE annually holds more than 300 major conferences
- IEEE Vision: To advance global prosperity by fostering technological innovation, enabling members' careers and promoting community world-wide.
- IEEE Mission: The IEEE promotes the engineering process of creating, developing, integrating, sharing, and applying knowledge about electro and information technologies and sciences for the benefit of humanity and the profession.
- The IEEE and its predecessors, the AIEE (American Institute of Electrical Engineers) and the IRE (Institute of Radio Engineers), date to 1884.



Innathan Garruha

A member of our Airborne Early Warning and Electronic Warfare Systems team in Bethpage and the recipient of the 2004 IEEE Long Island Section Outstanding Young Engineer Award, and all of this year's IEEE award winners.

Outstanding Young Engineer Award presented by the IEEE Long Island Section



www.northropgrumman.com
© 2004 Northrop Grumman Corporation



Alex Gruenwald Award

Dr. Charles Rubenstein

"For fostering a wide variety of professional activities on Long Island and beyond"

Charles P. Rubenstein is a tenured professor of engineering and information science at the Pratt Institute graduate School of Information and Library Science. He has an earned doctorate in Bioengineering from the Polytechnic Institute of New York and a masters degree in Library and Information Science from Pratt Institute.

Dr. Rubenstein is a senior member of the IEEE. His major service to IEEE has been as a member of the IEEE-USA Board of Directors and Operating Committee (2003), a member of the IEEE-USA PACE Committees since 1999 (currently serving as Vice-Chair), a member of the Technical Activities Board (2003), Member-at-large of the IEEE Publications Board (2000-2002), a member of the Engineering Management Society Board of Governors since 1988 (recently re-elected to a fifth term as vice president - member relations) and a member of the Region 1 Board since 1992, serving on the ExCom, and as elected Area B Chair (2002-2003) as Region 1 Elec-

tronic Communications Coordinator (1992-2005) and as a member of the METSAC Council (2002-2003). He has served as the Region 1 Chapters Coordinator (1992-1999), and Region 1 Student Activities Coordinator (1982-1984), served two terms on the Electro Board of Directors (METSAC Council representative: 1983-1987 and 1999-2001) and in several New York Section ExCom capacities including member-at-large (1994-present). His leadership service to the IEEE includes a term as IEEE Educational Activities Board Life Long Learning Council member and EAB Society Product Committee Chair.

He has been the recipient of numerous IEEE awards including the IEEE-USA Citation of Honor (2000) "for outstanding leadership of, dedication to, and contributions to IEEE-USA Professional Development programs," an IEEE Third Millennium Medal (2000) "for Distinguished and Outstanding Service to the IEEE Engineering Management Society, the IEEE New York Section, and the Engineering Community," the IEEE U. S. Activities Board Divisional Activities Award (1997) "for development of Internet and HTML education and training sessions for IEEE volunteers," an IEEE Regional Activities Board Innovation Award (1985) "for outstanding leadership and example in integrating student activities with all facets of IEEE activities and for outstanding leadership in the Student-Professional Awareness Conference (S-PAC) Program," the IEEE Centennial 'Keys to the Future' Outstanding Young Engineer Award (1984, IEEE Instrumentation and Measurement Society), and the IEEE Region 1 Award (1983), "for Outstanding Teaching Contributions and Counseling of Student Branches."

Symbol Technologies Salutes

Raj Bridgelall

on receiving the **2004 Charles Hirsch Award**

and congratulates all of the
IEEE Long Island Section Honorees
for their achievements and
contributions to the profession.



Symbol Technologies, Inc
One Symbol Plaza
Holtsville, NY 11742-1300
TEL: 1-800-722-6234/1-631-738-2400
FAX: 1-631-738-5990
Web site: www.symbol.com
E-mail: info@symbol.com



Harold Wheeler Award

Dr. Arie E. Kaufman

“For leadership and pioneering contributions to 3D graphics and volume visualization and most notably for the development of the Virtual Colonoscopy”

Arie E. Kaufman is currently a Leading Professor and Chair of the Computer Science Department, the Director of the Center for Visual Computing (CVC), and a Leading Professor of Radiology at the State University of New York at Stony Brook. He joined the faculty at Stony Brook in 1985 and was appointed Chair in 1999. He also held posts at the Hebrew University, Tel-Aviv University, Florida International University, Ben-Gurion University, and Columbia University.

Dr. Kaufman was elected as a Fellow of IEEE "for contributions to and leadership in visualization and computer graphics." He also received the 1995 IEEE Outstanding Contribution Award,

ACM Service Award, 1999 IEEE Computer Society's Meritorious Service Award, and 2002 State of New York Entrepreneur Award.

Dr. Kaufman has conducted and directed research for over 30 years specializing in volume visualization; graphics architectures, algorithms, and languages; virtual reality; user interfaces; and multimedia, with applications in a variety of disciplines. He has published extensively in these areas totaling in excess of 230 refereed papers, books, and book chapters, more than 180 conference presentations and non-refereed manuscripts, and has been awarded or filed more than 30 patents, most of which have been licensed. Since joining Stony Brook he was a principal or co-principal investigator on more than 70 research grants. His work has been featured in numerous media communications, including newspapers, TV, and magazines, such as Science, The New York Times, U.S. News and World Report, Business Week, The Saturday Evening Post, PC Week, Good Morning America and Fox TV.

Dr. Kaufman has generated significant research and development contributions. He has been a pioneer and a leader in volume visualization, and a dominating figure in turning it into an emerging discipline and a major trend in computer graphics. Kaufman compiled in 1991 the first and only manuscript on Volume Visualization. One of his flagship projects in this area has been the development of VolVis, a comprehensive volume visualization software system. It has a current installed base of over 3,500 sites, and several for-profit organizations, such as Exxon, have licensed VolVis.

Another primary and outstanding contribution of Kaufman has been the pioneering work in the area of volume graphics (voxel-based computer graphics). He coined both terms voxelization and volume graphics. He has developed several original applications of volume graphics, including flight simulation with U.S. Navy and Hughes Aircraft, which licensed several of his patents to build the first volume-based flight simulator.

Kaufman's outstanding contributions include the development of innovative hardware architectures for real-time volume rendering. The forth generation, the Cube-4 architecture, was the first such architecture with commercial potential. Mitsubishi Electric and Japan Radio Co. licensed the Cube-4 technology and fabricated the first volume rendering pervasive commercial board.

Kaufman has also pioneered several biomedical applications of volume visualization, the most notable one is virtual colonoscopy. In this new procedure a computed tomography (CT) scan of the patient's abdomen is taken and a computer visualization system is used to virtually navigate within a 3D model of the colon looking for polyps - the precursor of colon cancer. Kaufman has co-founded Viatronix Inc. to commercialize virtual colonoscopy, which has since received FDA clearance and has been proven in a large independent study to perform favorably compared to optical colonoscopy, the accepted "gold" standard.

Kaufman's service to the visualization and computer graphics community have been very significant. He was the founding Editor-in-Chief of the IEEE Transaction on Visualization and Computer Graphics (TVCG), 1995-1998. He has been the co-founder, papers/program co-chair, and member of the steering committee of the IEEE Visualization Conference series; co-founder of the Volume Graphics Workshop series and served as its Chair; co-Chair for Eurographics/Siggraph Graphics Hardware Workshops, the Papers/Program co-Chair for ACM Volume Visualization Symposia. He previously chaired and is currently a director of the IEEE Computer Society Technical Committee on Visualization and Computer Graphics. He has served on over 90 different program and technical committees since 1983.

He received a BS in Mathematics and Physics from the Hebrew University of Jerusalem, Israel, in 1969, an MS in Computer Science from the Weizmann Institute of Science, Rehovot, Israel, in 1973, and a PhD in Computer Science from the Ben-Gurion University, Israel, in 1977.

For more information see <http://www.cs.sunysb.edu/~ari>



Athanasios Papoulis Award

Dr. Peter Voltz

“For an outstanding teaching career and many activities concerned with motivating students”

Peter Voltz was born in Jamaica, Queens on June 8, 1958. He has earned the B.S. (1980), M.S. (1981) and Ph.D. (1987) degrees in Electrical Engineering, all from Polytechnic University in Brooklyn, NY.

Prof. Voltz began his career in 1981 as a communication systems engineer at Hazeltine Corp. in Greenlawn, NY, specializing in both Spread Spectrum and Bandwidth Efficient communication systems. He spent five years at Hazeltine learning from some of the

most outstanding people in the business and building his technical foundation.

Since 1985 he has been a faculty member at Polytechnic University in the Electrical Engineering department. His research activities have covered a range of topics in the general areas of communications and signal processing. These include adaptive algorithms and convergence issues for communications, acoustic signal processing and array processing, and related topics. More recently, Prof. Voltz has been focusing on advanced modulation techniques for wireless networks, including wide-band code division multiple access (W-CDMA), Orthogonal Frequency Division Multiple Access (OFDM) and Multicarrier CDMA (MC-CDMA). Prof. Voltz has published a variety of technical papers in the topic areas listed above. His most recent publications are on the topics of Multi-Input Multi-Output (MIMO) antenna system capacity with antenna subset selection, and localization of 802.11a/g mobile terminals in high multipath environments. His work has been supported by research grants from both government and private agencies, and he has been an active consultant for the telecommunications industry over the years.

From 2000 to 2001, Prof. Voltz took a leave of absence from Polytechnic to join LayerOne wireless Technologies, a Long Island based start-up company. As vice president and head of the Technology Department, he lead a group of seven engineers in the research and development of advanced algorithms for 3G and Post-3G wireless systems focusing on algorithm design and development for enhanced performance and minimal complexity. Focus areas included Space-Time processing, Joint Detection and Multicarrier Modulation.

Prof. Voltz’s teaching activities at Polytechnic have covered a wide range of electrical engineering topics, including circuits and systems, digital communications, control theory, queuing theory and networks, and adaptive signal processing. Prof. Voltz has recently developed new courses in W-CDMA, OFDM and MC-CDMA, which have been popular with students interested in the field of wireless communications. Short versions of these courses have been offered under the auspices of Polytechnic University’s Center for Advanced Technology in Telecommunications (CATT), and have been well attended by engineers working on 3G wireless, and related systems.

Professor Voltz has been the recipient of several teaching related awards, including an IEEE Region 1 Award for Electrical Engineering Support for Student Activities in 1998, The Polytechnic University Distinguished Teacher Award in 1997 and several awards of recognition from the Polytechnic Student Government. In addition he was the faculty advisor to the IEEE Outstanding Student Branch for the years 1995 and 1996, and to an award-winning Electric Vehicle project team that took home the most efficient vehicle prize in the American Commuter Category at the 1996 American Tour De Sol road rally.

2004 IEEE Long Island Section Awards Banquet Corporate-Sponsorship

Honor Roll

BAE Systems

EDO Corporation

Northrop Grumman Corporation

Symbol Technologies Inc.

Telephonics Corporation

Region 1 Awards



Region 1 Award For Electrical Engineering Management

Mr. Raymond Lackey

“For outstanding leadership in the development of diverse signal processing based defense electronic systems”

Ray graduated in 1973 from Penn State University, University Park campus, with an honors degree, Bachelors of Science in Engineering Science, a major with broad studies preparatory for research.

Ray continued his education concentrating on control theory, achieving a Master of Science in Electrical Engineering from Polytechnic Institute of New York in 1979. Ray joined Hazeltine in 1973 right out of Penn State where he has handled computer simulation, digital design, and system engineering of adaptive systems for many years and grew in responsibility. His work has seen early implementations of various forms of

adaptive space, time, and frequency partitioned systems and even a systolic processing computer in 1987 with 3.5 giga FLOPS capability when processor clocks were only 10 MHz. He has successfully led rapid product development programs and effectively led a team of innovative engineers across a wide spectrum of system applications. Recently, his background in signal processing has been used in the development of new antenna systems where total system trade analysis has maximized system performance.





Region 1 Award For Electrical Engineering Professionalism

Dr. Melvin Sandler

“For leading, enabling and encouraging others as Cooper Union EE Department Chair to achieve their full potential and for assisting immigrant engineers”

Melvin Sandler has been a member of the Cooper Union faculty since 1969 as the Sherman Professor of Electrical Engineering. He has served as the Chairman of the Department of Electrical Engineering until August, 2003. In 1992 he initiated and became director of the Immigrant Retraining Program. To date over eight hundred immigrant engineers have been placed in positions in their chosen fields.

Dr. Sandler received his Ph.D. in Electrophysics at the Polytechnic Institute of Brooklyn in 1965. From 1958 to 1964 he was an instructor and research associate at the Microwave Research Institute. During this period he constructed computer models of non linear magneto plasma interactions. This work was published in the Soviet Union as well as in the United States. He also constructed an electromechanical pulser and a three phase magnetic modulator to complement his theoretical stud-

ies. He was invited to teach after his component minimization, received a masters degree, and then taught at Polytechnic Graduate Center in Farmingdale. He took a leave of absence in 1960 to serve in the Signal Corps. He was a first Lieutenant in the USAR from 1958 to 1966.

Melvin Sandler was a Group Leader in the Reconnaissance Techniques Department of Airborne Instruments Laboratory from 1965 to 1969. His work included Radar Signature Analysis, weak signal detection techniques, and Radiation Studies of Guerrilla and Limited Warfare activities. An extremely useful result was the application of the Lock Lock Loop to extract weak signals and to frequency, phase and injection lock weak signals in noise.

During his tenure at The Cooper Union, Melvin was invited to work at Grumman in 1974 by the National Science Foundation. As a NSF Fellow he studied energy storage techniques and power electronics. His work included development of the Tapconverter as an alternative cycloconversion technique.

Melvin is a Senior Member of the IEEE. He was editor of Jets Journal from 1963-1967 (a publication of the Junior Engineering Technical Society). His membership in honorary societies include Eta Kappa Nu, Sigma xi and Tau Beta Pi. He was Tau Beta Pi advisor for over a quarter century at The Cooper Union. Melvin and his wife, Ruth, reside in Commack, New York.



Region 1 Award For New Technical Concepts in Electrical Engineering

Mr. Kenneth Frank

“For creative electronic countermeasures systems architectures”

Mr. Frank received a B.S.E.E. degree from Virginia Polytechnic Institute and State University in 1974, and an M.S.E.E degree from Polytechnic Institute of New York in 1979. He is a Principal Staff Engineer for the Systems Engineering Department of EDO's Electronic Systems Group. Mr. Frank is a member of the IEEE societies for Aerospace and Electronic Systems, Electromagnetic Compatibility (EMC), and Engineering Management (Member # 06718969). He is also a member of the Association of Old Crows.

Mr. Frank has over twenty-nine years of experience in Electronic Warfare systems design and development. His primary area of expertise is Electronic Warfare

(EW) system architecture and techniques for self-protect platforms. He has been involved in all aspects of System Engineering including requirements definition, modeling and simulation, system design and analysis, system integration, and flight test. He has been a key contributor in the development of the System Engineering Process at EDO. Mr. Frank was the primary system architect in the development of the Band 8 Jamming Subsystem on the AN/ALQ-161A. He developed system requirements to provide a multi-band DRFM capability for jamming of coherent radar threats. Mr. Frank's broad experience in RF, digital, analog, and software design enabled him to optimize hardware/software functionality and cost/performance tradeoffs. He has performed extensive analysis of RADAR signal processing and threat vulnerabilities to develop ECM waveforms for deception and camouflage purposes. During the AN/ALQ-161A CORE Development Program, Mr. Frank was responsible for the architectural design and update of the system across a wide functional area including receiver design, high

density signal processing, threat detection and identification, direction finding, operator interface, jam technique development, simultaneous jamming, automated on-board test, and platform interoperability. Mr. Frank was responsible for the modeling and simulation of system performance in “one-on-one” threat assessments, “one-on-many” survivability studies, technique development and effectiveness analysis, processing software algorithms, receiver control models, and pulse tracking algorithms. He maintained responsibility for system design through system integration and test, aircraft ground and flight test, and the operational evaluation phases. He was also responsible for the successful completion of an extensive Functional Configuration Audit (FCA) by the U.S. AIR FORCE. Mr. Frank received a Certificate of Merit from AIL Systems Inc. for his outstanding System Engineering efforts on the ALQ-161 CORE Development Program and was also elected as Employee of the Month in February 1991.

Mr. Frank was the Systems Engineering Manager for the AN/ALQ-161A system during the Block D Software Upgrade. During this effort Mr. Frank was responsible for system architectural upgrades to provide threat signal processing and emitter mode determination, pulse-to-pulse conventional jamming enhancements, transmitter to receiver RF leakage control, and optimization of jam direction and antenna beam width control. He developed quantitative risk assessment and tracking methods for the functional improvements. The architectural changes from this upgrade resulted in major system improvements to lower processor duty cycle, increase threat handling capability, and improve overall situational awareness. This software block was successfully fielded on the B-1B Bomber.

Mr. Frank also has RF and digital hardware design experience in high power Traveling Wave Tube (TWT) transmitters, microprocessor design, digital control logic for jamming hardware, frequency conversion and detection hardware, and amplification chains. He has performed environmental and qualification testing of RF and digital hardware. He has also performed system analysis and architectural studies for other related projects including interferometric and radiometric synthetic aperture processing techniques. His prior responsibilities included Test Manager and Electromagnetic Compatibility Systems Engineer for a low noise preamplifier system. Mr. Frank has been a primary EMC engineer at EDO’s Electronic Systems Group and was responsible for the establishment of an Electromagnetic Interference (EMI) test facility at EDO Deer Park. The shielded facility has been successfully used to support both conducted and radiated EMC testing for the Space and Communications products at EDO. His current position is Project Manager for the AN/ALQ-161A DRFM Upgrade Program. Mr. Frank is also the technical point of contact with the government for all Internal Research and Development (IR&D) projects in the Defense and Antenna Divisions of EDO. He is responsible for the submittal of the yearly IR&D Technical Plan to the government.

EDO Corporation
congratulates our award recipient

Kenneth Frank

Region 1 Award for
New Technical Concepts in Electrical Engineering





Region 1 Award For New Technical Concepts in Electrical Engineering

Mr. James Colotti

“For development of co-location techniques which extend the capabilities of printed circuit board technologies”

James Colotti is a Staff Analog Design Engineer for Telephonics, and is currently responsible for developing low-cost receivers for Air Traffic Control (ATC) and Identification Friend or Foe (IFF) systems. In addition, Mr. Colotti is supporting the AN/APS-147 Multi-Mode Radar (MMR) program during its flight tests and transition into limited production. On the MMR, he was responsible for designing the L-Band IFF R/T, the power and signal distribution systems, and the EMI/EMC/TEMPEST. In the mid 1990's, Mr. Colotti was responsible for analog

design activities on the AN/APX-103 AWACS IFF upgrade program. Other prior design responsibilities include the analog/RF portions of the Multiple Access Beamforming Equipment (MABE) for the TDRSS Satellite, and the Portable Search Target Acquisition Radar (PSTAR). Specific design responsibilities typically involve high-speed/high-resolution A/D and D/A Conversion, analog signal processing, power conversion, power and signal distribution, EMI/EMC, and Receiver/Transmitters.

In the late 1990s, as project engineer, Mr. Colotti was responsible for the development of an all-solid-state 5 kW L-Band Transmitter for another AWACS upgrade effort. In a similar capacity, he was also project engineer for an effort in the mid 1980s to develop a 2 kW Receiver/Transmitter for general ATC and IFF applications. Mr. Colotti's patent award for the Dual Threshold Amplitude Detector was a result of technology developed on this program. In addition, he received a patent for the Synchronously Tuned Power Converter, which was developed during a digital receiver program. This patent dramatically reduces the effects of switching power converter noise in wireless/digital-receiver applications.

James graduated from Polytechnic Institute with a BSEE, and throughout his career has published several articles relating to analog design. He is also a certified Electromagnetic Compatibility Engineer, by the National Association of Telecommunications Engineers (NARTE).



*Telephonics Corporation salutes the efforts of the
IEEE, Long Island Section
and
Congratulates all of the honorees.*

**For employment opportunities
visit our website**

www.telephonics.com

Telephonics Corporation is an equal opportunity, affirmative action employer M/F/D/V.
815 Broad Hollow Road Farmingdale, New York 11735

Fellow Award



Dr. Spencer Kuo

“For contributions to the understanding of electromagnetic wave propagation in plasmas”

Dr. Kuo received both of his B.S. and M.S. degrees from National Chiao-Tung University, Taiwan R.O.C. in 1970 and 1973, respectively. After he received Ph.D. degree in 1977 from Polytechnic University, he received from Rensselaer Polytechnic Institute a Research Associate position, working at the Oak Ridge National Laboratory on the Elmo Bumpy Torus (EBT) fusion program. He returned to Polytechnic University in September 1978 as Research Assistant Professor in the Electrical Engineering Department and was promoted to full professor in 1986. He initiated and ran a “summer research program for college juniors” in the EE department from 1985 to 1991. A similar program has since then been adopted in many

universities and national laboratories.

Dr. Kuo's research activities cover several areas including microwave plasma interactions, ionospheric and magnetospheric plasma physics, plasma sources, and plasma aerodynamic effects on shock waves. He conducted a novel experiment using rapidly created plasma to up-shift the electromagnetic wave frequency. He also showed analytically and experimentally that an added spatial-periodic distribution in plasma density could trap a wave by downshifting the wave frequency. He originated the instability idea to enhance the efficiency of a virtual ionospheric antenna to generate ELF/VLF waves for underwater communication and for the exploration of the magnetosphere. He has patented a plasma torch module, which can be used to form an array of plasma torches as a large-volume atmospheric-pressure plasma source. This module was installed on a wind tunnel model for on-board plasma generation to study the plasma aerodynamics in a Mach 2.5 supersonic flow. The experiment showed that the shock wave appearing normally in front of the model, which resembled a supersonic vehicle, could be eliminated totally by the on-board generated plasma. The experimental discovery paves a new way for solving aeronautic problems of sonic booms and severe wave drag in supersonic flights.

Dr. Kuo has authored over 150 journal papers and 60 proceedings issued articles, and has one patent. He was an associate editor of *Radio Science* from 1993 to 1996. He received an outstanding research award from the New York Chapter of the



Dr. Wu-Tsung Weng

“For leadership in particle accelerator development”

Dr. Weng is currently a tenured Senior Physicist at the Brookhaven National Laboratory and Head of the Center for Accelerator Physics - a position he has held since March, 2002. Prior to that he was Deputy Chairman of the Collider Accelerator Department from 1995 to 2002. From 1995 to 2002, Dr. Weng worked on the Ring and Transport System of the SNS project where he was responsible for the design and construction of the Transport and Accumulator Ring System, space charge effects and halo dynamics and beam loss minimization and control. From September 1994 to August 1995, Dr. Weng took a sabbatical leave to the Synchrotron Radiation Research Center in Taiwan to be the Technical Director. From 1993 to 1994, Dr. Weng, as a member of the AGS department at Brookhaven, was responsible for operation and upgrades of the AGS complex for high intensity proton operation and ran heavy ion fixed target experiments, and RHIC injection. From 1990 to 1992, Dr. Weng was a Member of the BNL Council of Scientific Staff and from 1987 to 1991 Booster Project Head in the AGS department, where he was responsible for Booster construction and commis-

sioning, beam feedback control and loading analysis, and Booster orbit and resonance stopband corrections.

From 1983 to 1987, Dr. Weng was an Accelerator Physicist at the Stanford Linear Accelerator Center where he was Assistant SLC ARC system manager on the SLC project. He was responsible for error analysis of SLC ARC lattice and their correction methods, magnetic measurements and analysis of 950 AG magnets, and SLC ARC and damping ring commissioning and machine studies. From 1977 to 1983 Dr. Weng was an Accelerator Physicist at BNL and head of the Accelerator Physics section from 1980 to 1983 where he was responsible for AGS machine studies and improvements, AGS Booster and conceptual design, and new AGS fast extraction beam system and RHIC injection line.

Dr. Weng was the award recipient of the Taiwan Y.T Lee Foundation for the Advancement of Outstanding Scholarship in 1995. He received his B.S in Electrical Engineering from National Taiwan University in 1966; an M.S in Physics from the National Tsing-Hua University in Taiwan in 1968 and a Ph.D in Physics from SUNY Stony Brook in 1974.

Dr. Weng is a Fellow of American Physical society and now a Fellow of the IEEE.

About the IEEE LI Section Awards

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.

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.

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.

Outstanding Young Engineer

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

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.

About the IEEE Region 1 Awards

New Technical Concepts in Electrical Engineering

For significant patents, for discoveries of new devices or applications, and for significant reductions in components or processes.

Electrical Engineering Professionalism

For personal, high level leadership in research and design performance in support of all phases of the Electrical Engineering Profession.

Promotion of Self-Development for Practicing Electrical Engineers

By arranging courses, seminars, and tutorials to enhance the educational level and the competence of practicing electrical engineers.

Enhancement of IEEE in Industry and Community Service

For outstanding service to the IEEE at the Chapter, Section, Region, and national level, and for major contributions to the industry and to the community.

Electrical Engineering Management

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

Electrical Engineering Support for Student Activities

For improving communications between the IEEE and a Student Branch or Student Group; for support and service to a Student Branch or Student Group; for service and leadership to the student community.

The William Terry Distinguished Lifetime 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 long period of time.

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 Jesse Taub, the IEEE Long Island Section Awards Committee Chairman at jtaub@aol.com .

PHOTOS FROM 2003 AWARDS BANQUET



Keynote Speaker, Congressman
Steve Israel



Keynote Speaker,
Ed Palacio, Edo Corp.



2003 Long Island Section Chair,
Dave Mesecher



2003 Long Island Section 1st
Vice Chair, Chris DiFranco with
wife, Marie



2003 Long Island Section
2nd Vice Chair Dan Rogers
with Congressman Israel



Award Recipient and Past
Chair, William Rooney with
wife, Kathy and daughter,
Elaine



Award Recipient Bruce
Willins and Awards
Nomination Committee
Chair, Jesse Taub



Award Recipient Michael Sussich
with Congressman Israel



Award Recipient Stanley
Oken with wife, Marcie

SPECIAL THANKS TO OUR AWARDS NOMINATION COMMITTEE!

Jesse Taub, Chairman

**Alfred Lopez
Rod Lowman
Ralph James
Velio Marsocci**

**Richard Mohr
John Pierro
Stanley Shinnars
Martin Shooman**



IEEE PREVIOUS MEMBER RECOGNITION

Long Island Section Historian, Rod Lowman, has compiled this list of past chairmen, living past awardees and fellows elected to the Section, and others attracted to the Section

WHEELER AWARD

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

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

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 Richaard Frazita
1983 Prof. E. J. Smith
1982 Evelyn Berezin
1981 John Stangel
1980 Prof. Enrico Levi
1979 A.D. Alexandrovich

IEEE

MEDALISTS

Henry Bachman
Leopold Felsen
Ivan Frisch
George Litchfold
Nathan Marcuvits
Anthony Papoulis
Mischa Schwartz
Jerome Swartz
John Truxal

SECTION IEEE FELLOWS

F. R. Arams
E. Aslan
H.L. Bachman
M.Q. Barton
E. Baum
H.D. Belock
A.J. Bernstein
J.P. Blewett
L.R. Bloom
D.M. Bolle
J.J. Bongiorno
R.R. Boorstyn
J.A. Calviello
W.J. Caputi
J.H. Chadwick
C.T. Chen
D. Christiansen
J.V. DiFranco
J.F. Dopazo
A. Dorne
C.C. Duncan
E.B. Forsyth
J.R. Fragola
H. Frank
R.L. Frank
I.T. Frisch
R.J. Gambino
P. Hannan
P.J. Hansel
H. Harris
S.W. Herwald
A. Hessel
S. H. Horowitz
R.G.E. Hutter
L.R. Kahn
J. Katz
A. Kaufman
A. Kershenbaum
H.W. Kraner
J.B. Horner Kuper
R. LaRosa
V.R. Learned
M.T. Lebenbaum
G.B. Litchford
P.P. Lombardo
A.R. Lopez
M. Marcuvitz
P.J. Meier
G. Merrill
W.W. Mieher
R. Mohr
H.C. Okean
S. Okwit
K.S. Packard
W. Palmer
B. Parzen
S.T. Peng
J.S. Perry
J. Pierro
W.J. Pierson
M. Plotkin
V. Radeka
S.S. Rappaport
P. Rehak
D. Richman
P. Richman
A.L. Rossoff
L.M. Roytman
W.L. Rubin
E.W. Sard
D.C. Schlerer
L.S. Schwartz
L. Schwartzman
Y. Shamash
L.G. Shaw
S.M. Shinnars
M.L. Shooman
M. Simpson
R.L. Slevin
J.S. Smith
E.A. Speakman
N.A. Spencer
G.W. Stagg
G.W. Stroke
J. Swartz
T. Tamir
J.J. Taub
D.L. Trautman
B.F. Tye
J. Vogelman
C.C. Wang
D.E. Weissman
J.J. Whelehan, Jr.
G.S. Wickizer
D.C. Youla
(Others in the Section)
J.E. Boughtwood
S.S.L. Chang
L.B. Felson
R. James
H. Kaneko
P.M. Lewis
A.A. Lundstrum
M.W. Migliaro
A. Papoulis
T. Pavlidis
B. Salzberg
D.L. Schilling
M. Schwartz
R.W. Sonnenfeldt
J.G. Truxal
J. Weinberger

OUTSTANDING YOUNG ELECTRICAL ENGINEER

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

USAB AWARDS

Harvey Altstadter
Robert Bruce
Lawrence Edelman
Thomas Downey
Barbara Kent
Arthur Rossoff
Joel Snyder
Jesse Taub
Irwin Weitman
Victor Zourides

RAB AWARD

Joel Snyder
K. Wendy Tang
William Wilkes

SPECIAL AWARDS

2000 Millenium Awards

Harvey Altstadter
Henry Bachman
Robert Bruce
Thomas Campbell
David Doucette
Ivan Frisch
Alfred Lopez
Rod Lowman
Velio Marsocci
Seymour Okwit
Eduard Palacio
John Pierro
Paul Richman
Jerome Schwartz
Joel Snyder
Wendy Tang
Jesse Taub
Irwin Weitman
Babak Beheshti
1988

George Hachbrueckner
1987

Bertram Aaron
Robert Hong
1986

George Emelio
Louis Luceri
John Persich
Edwin Pillar
Donald Schilling
Alexander Schure
1985

Henry Bachman
Angelo Orazio
Karle Packard
1984 Centennial Award

Henry Bachman
Donald Christiansen
David Doucette
L.B. Felsen
F.J. Kosasek
Roderic Lowman
R.A. Olsen
Velijko Radeka
Arthur Rossoff
J. Gregg Stephenson
Jay Stewart
Joel Snyder
Jesse Taub
J.G. Truxal
David E. Weissman
Victor Zourides
1983

Robert L. Wendt
Victor G. Zourides
1982

Ronald B. Hirsch
Louis H. Pighi
Arnold Rubin
1981

S.J. Nuzzo
1980
Henry Blackstone
Thomas J. Downey

REGION 1 AWARDS

Scott Abrams
George Alikakos
Harvey Altstadter
Richard Augeri
Henry Bachman
Robert Barden
Babak Beheshti
Charles Berger
John Beukers
Stephan Jon Blank
Nader Bolourchi
Thomas Campbell
Frank Cassara
Bernard Cheo
Peter Djuric
Melvyn Drossman
Matthew Dwork
George Eichman
Paul M. Eyring
Arthur Favario
Joseph Fragola
Harvey Glass
Michael Green
Shahe Halajian
Richard Hines
Robert Hong
Ivan Kadar
Leonard Kahn
Richard Knadle
Richard Koch
Richard LaRosa
L.I.F.T.
Alfred Lopez
Roderic Lowman
Peter Lubell
Louis Luceri
Edward Magill
Velio Marsocci
Daniel Mazziata
Andrew McNerney
Donald Neuf
Donald Neuhaus
James Onorato
Eduardo Palacio
J.B. Parekh
John Persich
Lazaros Pavlidis
Bernard Payton
John Pedersen
John Pierro
Walter Poggi
Pavel Rebak
Paul Richman
Ronald M. Rudish
Henry Ruston
Frederick Schuessler
Murray Simpson
Graham Smith
Joel Snyder
Martin Somin
Jerome Swartz
Karl Sygall
Jesse Taub
K. Wendy Tang
Frank Torre
Hang-Shen Tuan
Charles Verbeke
Peter Voltz
David Wang
Fu-Lin Wang
Scott Weiner
Irwin Weitman
Walt Whipple
Bruce Willard
Christopher Witt

SECTION CHAIRMEN

2003 David Messecher
2002 William Rooney
2001 Babak Beheshti
2000 Babak Beheshti
1999 Amnon Gilaad
1998 Harvey Altstadter
1997 Harvey Altstadter
1996 Nader Bolourchi
1995 Thomas A. Campbell
1994 Eduardo F. Palacio
1993 Eduardo F. Palacio
1992 John Pierro
1991 John Pierro
1990 Melvyn M. Drossman
1989 Klaus Breuer
1988 Velio Marsocci
1987 Steven Rebovich
1986 Donald Grieco
1985 Richard LaRosa
1984 Arnold Goldman
1983 Robert Barden
1982 Louis Luceri
1981 Donald Neuhaus
1980 Alexander J. Kelly
1979 David Doucette
1978 Edward J. Fuller
1977 Victor Zourides
1976 Peter D. Lubell
1975 Roderic V. Lowman
1974 Thomas Schulkind
1973 Frank H. Williams*
1972 Joel Snyder
1971 Joel Snyder
1970 Arthur Rossoff
1969 Saul W. Rosenthal*
1968 Henry W. Redlien*
1967 Irwin Vogel
1966 Henry L. Bachman
1965 Richard C. Price
1964 Harold Brownman
1963 Murray Simpson
1962 William T. Cooke*
1961 Joseph Kearney*
1960 Henry Jasik*
1959 J. Gregg Stephenson
1958 R.K. Hellmann*
1957 Eugene G. Fubini*
1956 David Dettinger
1955 Paul G. Hansel
1954 Wm. F. Bailey*
1953 Vincent Learned
1952 Charles J. Hirsch*
1951 Hugh E. Webber*
1950 John Dyer*
1949 Orville M. Dunning*
1948 Harold A. Wheeler*
1947 Eric Isbister*