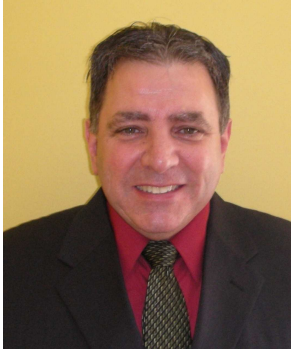




IEEE Long Island Section 2009 Annual Awards Ceremony

MESSAGE FROM THE CHAIRMAN



IEEE Colleagues and Friends:

I am delighted to welcome everyone to the 2009 IEEE Long Island Section's Awards Banquet. This is a special year as we are celebrating the 125th Anniversary of the IEEE. Tonight we will be presenting awards in several categories. This year Long Island members will be receiving national, regional, and local awards. The IEEE uses these awards to recognize its members for their outstanding accomplishments.

This year, three Long Island members were awarded the prestigious IEEE Fellow Award. Long Island members were also awarded eight IEEE Region 1 awards. It is clear that the members of the Long Island Section continue to demonstrate the excellent quality of their capabilities and character.

We will also be taking time tonight to thank the section volunteers. All of us can be proud of the efforts expended by the people on our Executive Committee (ExCOM). The ExCOM members toil for many hours in order to provide such IEEE services including technical lectures and professional development events to the members of the Long Island Section.

I would like to thank Jon Garruba and Nick Golas for arranging this year's Awards Banquet. They have now joined the select group of people who have been Awards Banquet organizers and they now know what it takes to arrange an event like this. It may come in handy when their children are getting married. I would also like to thank the Awards Committee headed by Jesse Taub in their important task of selecting and advocating tonight's awardees.

I would also like to remind you of two major Long Island Section events that are coming up. On Friday, April 24th at Farmingdale State College the IEEE Long Island Section is presenting a "Globalization Forum: Outsourcing and Offshoring Impact; Reversing the Flux of Technical Leadership and Engineering Jobs on LI." There will be various economists discussing the issues. You don't want to miss it. Additional information on the Globalization Forum is contained in this program. Also the 2009 Fifth Annual Long Island Systems and Technology Conference (LISAT) which will be held on Friday, May 1 at Farmingdale State College. It is shaping up as the best LISAT conference yet. Additional information on LISAT is contained in this program.

I would also like to thank our corporate donors. Without their generous support and the use of their facilities, this night would not be possible and the Section would not be able to provide the technical programs and professional development activities it does.

And finally I would like to thank all of the engineers of Long Island. I believe that engineers are the "bedrock" of our society. We are the problem solvers and I would like to salute their daily efforts.

Congratulations to all of the 2009 award recipients.

Sincerely, Santo (Sandy) Mazzola, Chairman IEEE Long Island Section

Chairman@IEEE.LI

On May 13th, 2009, the IEEE will celebrate its quasiquintennial anniversary. 125 years of engineering the future. The anniversary dates back to 1884, when groundbreaking inventions such as the electric light were emerging. A small group of industry pioneers, including Alexander Graham Bell and Thomas Edison, met that year in New York City to form IEEE's predecessor society, the American Institute of Electrical Engineers (AIEE). They gathered again at the International Electrical Exhibition of 1884, sponsored in Philadelphia by the Franklin Institute, to address the future needs of engineers and the burgeoning industry. The IEEE is incorporated in the State of New York and it was formed on January 1st, 1963 by the merger of the Institute of Radio Engineers (IRE, founded 1912) and AIEE.

Throughout the year as IEEE will celebrate 125 years of innovation and ingenuity with special events online and across the globe. Whether you participate in a local celebration, or contribute to the online message boards and contests, everyone can be a part of IEEE's Anniversary Celebration.



IEEE

Celebrating 125 Years
of Engineering the Future

PROUD TO SERVE OUR NATION – AND OUR COMMUNITY



At BAE Systems, we're as committed to the communities where we live and work as we are to providing the world's most advanced defense electronics and information technology solutions. It's in this spirit that we congratulate the 2009 IEEE Long Island Award Recipients.

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IEEE Long Island Section Awards Ceremony

Thursday March 26th, 2009

Keynote



Steve Levy

**Suffolk County
Executive**

Steve Levy is a graduate of Sachem High School, Stony Brook University (Magna Cum Laude) and St. John's University Law School. In 1985 Levy was elected to the Suffolk County Legislature where he served as Chairman of the Ways and Means Committee and as Deputy Presiding Officer. He left the Legislature in 2000 when he was elected a member of the New York State Assembly. In 2003, Mr. Levy was elected as Suffolk County Executive.

Steve is making the county more affordable by cutting taxes, while maintaining important human services, and by increasing the stock of housing through his Workforce Housing Commission. He was one of only four officials nominated to receive the prestigious Woodson Award for housing.

The County Executive has also transformed a dormant open space program into one of the most aggressive preservation programs in the nation, and created a master list of environmentally sensitive properties and farmland parcels targeted for acquisition and/or preservation. Mr. Levy was presented with the Environmentalist of the Year Award from the New York League of Conservation Voters.

County Executive Levy has also undertaken initiatives involving alternative energy to further protect the environment and economy. Numerous county buildings have received energy-saving measures including high-efficiency boiler systems, motion sensitive light sensors, photovoltaic solar systems and weatherproofing for increasing heating efficiency.

Agenda

- 6:15 - 7:15 PM *Guest Arrival, Hors d'oeuvres*
- 7:15 - 7:30 PM *Call to Order, Welcome
Sandy Mazzola
Chairman, IEEE, L.I. Section*
- 7:30 - 7:45 PM *Keynote Address:
Steve Levy
Suffolk County
Executive*
- 7:45 - 8:30 PM *Dinner*
- 8:30 - 8:45 PM *IEEE Long Island Section
Volunteer Recognition
Sandy Mazzola*
- 8:45 - 9:00 PM *IEEE Long Island Section
Awards Jesse Taub, Awards
Chairman*
- 9:00 - 9:15 PM *IEEE Region 1 Awards
Jesse Taub, Awards
Chairman*
- 9:15 - 9:30 PM *IEEE Fellow Award
Jesse Taub, Awards
Chairman*
- 9:30 - 9:40 PM *Door Prizes
Nikolaos Golas
2nd Vice Chair,
IEEE, L.I. Section*
- 9:40 - 9:45 PM *Closing Remarks
Sandy Mazzola
Chairman, IEEE, L.I. Section*
- 9:45 - 10:15 PM *Dessert and Coffee*





Congratulates This Years Award Recipients!

Section Awards

Harold Wheeler Award: **Dr. Veljko Radeka**
Alex Gruenwald Award: **Mr. James Colotti**
Charles Hirsch Award: **Mr. David Mesecher**
Outstanding Young Engineer: **Dr. Monica F. Bugallo**
Athanasios Papoulis Award: **Dr. Sina Rabbany**

IEEE Fellow Awardees

Dr. Ilan Ben-Zvi
Dr. Konstantin K. Likharev
Dr. Yuanyuan Yang

Region 1 Awards

For Technological Innovation (Industry or Government): **Mr. Craig Aarseth**
For Managerial Excellence in an Engineering Organization: **Mr. Robert Barat**
For Technical Innovation (Industry or Government): **Dr. Babak Beheshti**
For Technical Innovation (Industry or Government): **Mr. William DeAgro**
For Enhancement of the relationship between IEEE and Industry: **Dr. Frederick M. Kruger**
For Enhancement of the relationship between IEEE and Industry: **Dr. Stefan A. Robila**
For Enhancement of the relationship between IEEE and Industry: **Mr. Daniel A. Rogers**
For Technical Innovation (Industry or Government): **Mr. Craig Romano**




Telephonics Congratulates

Our 2009 IEEE Award Recipients

Telephonics Corporation is a worldwide leader in Integrated Information and Communication Systems. We serve Aerospace, Defense and Commercial markets throughout the globe. Whether it is in the air, on the sea, or ground-based, our electronic systems are on board to ensure the safety and security of thousands of military and civilians worldwide.

We know it takes great people to achieve this, and we are proud to congratulate our 2009 IEEE Award Recipients:

Craig Aarseth
Robert Barat
James Colotti
Daniel Rogers



2009

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Society Coordinator: David Wolff, BAE Systems
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Long Island Section Awards



Harold Wheeler Award

VELJKO RADEKA

Brookhaven National Laboratory

“For outstanding leadership and accomplishments in detector development which enabled discoveries in many areas of science and technology in a career of sustained productivity spanning over 50 years”

Veljko Radeka is a Senior Scientist and Head of the Instrumentation Division at Brookhaven National Laboratory. He received a Diploma Engineer degree in Electrical Engineering in 1955 and a Doctorate of Engineering Sciences in 1961 from the University of Zagreb, Croatia. In 1955 he started working on nuclear instrumentation at the Institute Ruder Boskovic in Zagreb, and was a Docent at the University of Zagreb. He came to Brookhaven National Laboratory as a visiting scientist from 1962 to 1964, and became a staff member of the Instrumentation Division in 1966. He became a Senior Scientist in 1973.

He has been Head of the Instrumentation Division at Brookhaven since 1972. Under his leadership the Division has become the foremost resource in radiation detector and microelectronics R&D among DOE's national laboratories. His major interests are in scientific instrumentation, in radiation detectors, and in noise and signal processing in physical measurements. He has published about 170 papers. Several of his papers have been reprinted in books as classic contributions. Among his contributions are a number of important developments in radiation detectors and low noise electronics, such as liquid argon chambers, x-ray and neutron position sensitive detectors, electronically cooled terminations, logarithmic charge amplifiers, etc.

He is a Life Fellow of the IEEE, and a Fellow of the American Physical Society. He received the 1983 Merit Award of the Nuclear and Plasma Sciences Society and he is also a recipient of the IEEE Centennial Medal. He has served on program or advisory committees of numerous scientific conferences, and has served as a referee for several scientific journals.



Alex Gruenwald Award

JAMES COLOTTI

Telephonics Corp

“For development of the Long Island Section IEEE's outstanding website and for contributing to the growth of the Section's Microwave Theory and Techniques Society chapter”

James Colotti is a Senior Staff Analog Design Engineer for Telephonics, in Farmingdale, New York. His recent efforts include receiver design for Air Traffic Control (ATC) and Identification Friend or Foe (IFF) systems, and the design of a High Voltage Power Supply for the RDR Radar product line. Mr. Colotti is currently involved in design efforts for the next-generation AN/APR-147 Multi-Mode Radar (MMR). Mr. Colotti is also supporting the original MMR which is now in full production. On the original MMR, he was responsible for designing a 1 kW L-Band IFF Receiver/Transmitter, the power and signal distribution systems, and the EMI/EMC/TEMPEST.

In 2004, James Colotti received the IEEE Region 1 Award for New Technical Concepts. This Award cited the development of collocation techniques, which extend the capabilities of printed circuit board technologies. Since 2003, James has been the Chairman of the Microwave Theory and Techniques (MTT) Society of the IEEE Long Island Section. Throughout his career, James published several articles covering analog topics including power converters, digital-to-analog conversion, analog-to-digital conversion and receiver design. He also presented lectures at various venues including LISAT, the IEEE EMC society, the IEEE Adaptive Antenna Systems Symposium and the RF Expo East.

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

National Grid and Long Island T&D

congratulate the recipients of the

IEEE Long Island Section Awards



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Long Island Section Awards



Charles Hirsch Award

DAVID MESECHER

Northrop Grumman Corp.

“For innovative signal processing techniques applied to adaptive filtering, smart antennas and emitter location”

Dave Mesecher is an Associate Technology Fellow for Future Architectures and Technologies at Northrop Grumman Aerospace Systems. Dave is involved in investigating and developing wireless communications, antenna processing, target tracking and ID, precision geolocation, and sensor fusion concepts in support of Network-Centric Intelligence, Surveillance, and Recognizance (ISR).

Dave is a Senior Member of both the IEEE and the ALAA, and is the Chairman of the Long Island Chapter of the IEEE Communications Society.

He holds 26 US patents and several foreign patents for signal processing techniques in the areas of wireless communications, adaptive antenna arrays, and real-time location systems, and has authored several papers in the areas of adaptive signal processing, target location, and communications.

Dave holds a BSEE from Rensselaer Polytechnic Institute, an MSEE from Polytechnic University, and an MBA from Adelphi University.



Outstanding Young Engineer Award

MONICA F. BUGALLO

Stony Brook University

“For development and application of computational methods for sequential signal processing”

Monica F. Bugallo received her B.S., M.S., and Ph. D. degrees in electrical/computer engineering from the University of A Coruña, Spain, in 1996, 1999, and 2001, respectively. At the University of A Coruña she received the Award of Best Student and Best Ph.D. Dissertation. From 1998 to 2001 she was with the Department of Electronics and Systems at the same university, where she worked as research associate and was investigating interference cancellation applied to multi-user communication systems.

In 2002, she joined the Department of Electrical and Computer Engineering at Stony Brook University as Lecturer and where she is currently Assistant Professor. There she teaches courses related to digital communications, stochastic processes and information theory. She has also offered summer seminars at international institutions on statistical signal processing methods and advances and applications of particle filtering. Her research interests are in the field of statistical signal processing, with emphasis on Bayesian analysis, sequential Monte Carlo methods, adaptive filtering, stochastic optimization, and their applications to different disciplines including multi-user communications, smart antenna systems, biomedicine, target tracking, vehicle positioning and navigation.

Dr. Bugallo has been member of the IEEE since 1999 and has served on several technical committees of IEEE conferences and workshops. She has also been reviewer of many professional journals. She has received the award for Best Paper in the IEEE Signal Processing Magazine 2007 as coauthor of a paper entitled “Particle Filtering.”

Long Island Section Awards

Athanasios Papoulis Award

SINA RABBANY

Hofstra University

“For noteworthy contributions to biomedical engineering education and Hofstra’s Medical School Curriculum”



Sina Y. Rabbany, Ph.D. is the Jean Nerken Distinguished Professor of Engineering and Director of Bioengineering at Hofstra University. Dr. Rabbany received his B.S.E. cum laude, M.S.E., and Ph.D. in Bioengineering from the University of Pennsylvania. He joined Hofstra in 1990 as Assistant Professor of Engineering to create the Hofstra bioengineering program, the first on Long Island. He was appointed Associate Professor in 1993, and promoted to Professor of Engineering in 1998. From 2001-2004, Dr. Rabbany served as the chairperson of the Department of Engineering.

Dr. Rabbany is currently doing research in the field of cellular and tissue engineering as applied to the vascular system. One of the major obstacles in engineering vascularized tissue is induction of endothelial vessel networks. To this end, his research applies engineering principles to the advancements being made in the differentiation of embryonic stem (ES) cells toward engineering vascularized tissue. The projects range from utilizing scaffolds to promote 3-D structures which provides physical cues for cell orientation and spreading to elucidating the role of biochemical and biophysical environment on vascular cells and engineering of vascularized constructs.

Author of more than 45 publications in the areas of cardiovascular dynamics, biosensors and cellular biomechanics, Rabbany is the recipient of several Hofstra Presidential Research Awards, and of a Young Investigators Award from the Cardiovascular Systems Dynamics Society. He was the recipient of the 2003 Achievement Award presented by the Engineers Joint Committee of Long Island. He also has been invited to present his work to groups as diverse as the American Society of Mechanical Engineers, Sigma Xi [the Scientific Research Society], and the Explorers Club. Dr. Rabbany is married and he and his wife, Pouneh, reside in the Village of Great Neck. They have a son and a daughter.



we proudly join with

IEEE Long Island Section

in honoring

our esteemed colleague

Hofstra University Professor of Engineering

Dr. Sina Y. Rabbany

Long Island Section Athanasios Papoulis Award Recipient

and

all the **2009 Long Island Section Award Recipients**



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Region 1 Awards



IEEE Region 1 Award For Technical Innovation (Industry and Government)

CRAIG AARSETH
Telephonics Corporation

“For Technical Innovations in Radar and Landing System Architecture Design”

Craig Aarseth has over 30 years architecting and developing advanced airborne electronics systems. Mr. Aarseth is generally regarded as one of the premier system architects in Telephonics Radar Systems Engineering. His talents include mathematics, analog, digital and software engineering. One of his main activities has been architecting, developing, and integrating many of the radar products at Telephonics. Craig has worked on the APS-143, CP-140, and RDR product lines. He has worked on synthetic aperture imaging modes such ISAR, Spot and Strip Map SAR. Most recently, he was responsible for the system, mode, algorithm and motion compensation design for the APS-143B(V)3 A/A MTI mode.

Mr. Aarseth has been a key innovator at Telephonics, helping to design a radar systems architecture composed of COTS components which greatly eases new technology insertion as systems mature.

Craig was awarded a BSES in 1975 from Hofstra University. He was awarded Second Place for at 2001 COTSCON for application of COTS technology to Maritime Surveillance Radar.

He has one patent, “Multipath reduction techniques for low angle tracking.” Mr. Aarseth has applied for a Patent titled “Ultra High resolution using Stitch processing.”



IEEE Region 1 Award For Managerial Excellence in an Engineering Organization

ROBERT BARAT
Telephonics Corporation

“For Leadership in Radar Systems and Software Engineering”

Robert Barat has over 23 years of experience as an airborne maritime radar engineer beginning as a hardware designer, moving into software engineering, and has recently emerged into system engineering. Mr. Barat’s early career at Cardion Electronics included design of a radar video integrator and system software for the US Navy AN/SPA-25G radar display.

Moving on to Telephonics Corporation, Mr. Barat’s work comprised real-time embedded software development on various AN/APS-128 radar systems, a microprocessor based target extractor for the AN/APS-143 radar system, lead software designer on the NASA TDRSS satellite ground terminal. In more recent years at Telephonics, Mr. Barat was software lead for a team of 10 developers on the massively parallel radar signal processor for the AN/APS-147 multi-mode radar for the US Navy MH-60R helicopter. Efforts on this program including system software design, requirements management and system integration laid the groundwork for advancing into a system engineering position.

He was lead system engineer for a new product line commercial multi-mode radar (RDR-1700B), responsible for all aspects of the radar design and integration from concept to successful flight test verification. Currently he is deputy system engineer on the ARPDD upgrade to the AN/APS-147 radar system, developing requirements, designing the architecture, and leading the system test & integration team.

ITT congratulates this year's IEEE Long Island Section Award Recipients

IEEE Fellow Awardees

Dr. Ilan Ben-Zvi
Dr. Konstantin K. Likharev
Dr. Yuanyuan Yang

Long Island Section Awards Winners

Dr. Veljko Radeka
Mr. James Colotti
Mr. David Mesecher
Dr. Monica F. Bugallo
Dr. Sina Rabbany

Region 1 Award Winners

Mr. Craig Aarseth
Mr. Robert Barat
Dr. Babak Beheshti
Mr. William DeAgro
Dr. Frederick M. Kruger
Dr. Stefan A. Robila
Mr. Daniel A. Rogers
Mr. Craig Romano



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Region 1 Awards



IEEE Region 1 Award For Technical Innovation (Industry and Government)

BABAK BEHESHTI

New York Institute of Technology

**“For Providing Technical Leadership in the Development
of State-of-the Art Reconfigurable Wireless Technologies.”**

Babak D. Beheshti has been an IEEE member for over 20 years and active in IEEE volunteer leadership positions at local, regional, and institute wide levels. Babak is a tenured faculty member in the School of Engineering and Computing Sciences, New York Institute of Technology, Old Westbury, New York, where he has served since 1987, and currently serves as the President of the Academic Senate.

He has also been an active consultant and has held positions of increasing responsibility in technical management in the areas of wireless and cellular systems as well embedded microprocessor based systems, having worked directly with the world's most widely known handset manufacturers such as Nokia, Samsung, Siemens and LG.

Babak received his BEEE and MSEE both in Electrical Engineering from State University of New York at Stony Brook, in 1985 and 1987, respectively. Babak is author of numerous articles and papers, and has presented in many conferences on topics ranging from engineering education to wireless systems. Babak is a Senior Member of IEEE and a recipient of the IEEE Millennium Medal, two IEEE Region 1 awards, two IEEE Long Island Section awards and the Ellis College Excellence in Teaching Award. Babak is a member of Tau Beta Pi engineering honor society, and Eta Kappa Nu electrical engineering honor society.



IEEE Region 1 Award For Technical Innovation (Industry and Government)

WILLIAM DeAGRO

Northrop Grumman Corporation

**“For Dedicated Efforts in Technological Innovation in the
Submission of Patent Ideas with Most Recent Patent
on Multipath Height Finding.”**

Bill DeAgro was born in Astoria, NY and graduated from Polytechnic Institute of NY, BSEE Cum Laude in 1982 and one year later he graduated with an MSEE via a full paid Fellowship Award. His career began in Research Labs, Hazeltine Corporation, Greenlawn, NY where Bill performed R&D efforts in RF Signal Processing, SAW Pulse Compression, Correlation, Beamforming, Direction Finding and Adaptive Processing.

Bill then expanded his capabilities by engaging and developing greater expertise in both digital and high precision analog design areas (during a time of growth of FPGA technology) at North Atlantic Instruments. Utilizing all his past experience, Mr. DeAgro currently works as a Systems Engineer in AEA (Advanced Electronic Attack) for the Northrop Grumman Corporation in Bethpage, NY. His prior experience includes Radar Engineering in AEW (Advanced Electronic Warfare) on the Navy E2-D program and also was a Principle RF Engineer for Telephonics Corporation's Radar Division in Farmingdale, NY.

Mr. DeAgro was awarded with his first patent that was granted in 1990 (4,894,766) titled “Power Supply Frequency Converter” and the one he's being honored here today: “Multipath Height Finding Method” (7,265,710 B2). Mr. DeAgro was also a Past Chairman of IEEE LI and has served in various roles on the IEEE Long Island Section Executive Committee for over 5 years. Bill is married to Lois and has one son, Jonathan, who is currently a freshman in Computer Science.

Region 1 Awards



IEEE Region 1 Enhancement of the Relationship between IEEE and Industry

FREDERICK M. KRUGER

Kruger Associates

“For Contributions to the Profession through Exemplary Service as the LISAT Conference Exhibits Chair”

Dr. Fred Kruger is president and chief scientist at Kruger Associates Inc., where he operates an electroacoustics lab and provides R&D and consulting services. He holds a Ph.D. in Neuropsychology and a Post-Doctorate in Speech and Hearing Sciences (CUNY). He also has training in Electronic Engineering and Computer Sciences. He is a Senior Life Member of the IEEE and a Life Member of: the Acoustical Society of America, the American Speech, Hearing and Language Association, the American Radio Relay League, and the Quarter Century Wireless Association. He is an Honorary Member of the American Academy of Audiology and is an active member of several ANSI/ASA and IEEE standards committees.

Dr. Kruger is an active member of the Commack-Kings Park Rotary Club and chairman of the county-wide Rotary Disaster and Emergency Preparedness Committee. Since 1995, he has worked with the Friends of LIMSAT (Long Island Museum of Science and Technology). He is a LIMSAT executive board member and a founding trustee.

For over 30 years, two of Dr. Kruger's inventions, the Wrist-Com, a residential environmental monitoring and emergency signaling system, and the Telebraille, enables deaf-blind persons to communicate via telephone using Braille, still provide assistance to persons with disabilities and security for seniors. He has more than 50 professional publications, book chapters, papers and several patents.



IEEE Region 1 Enhancement of the Relationship between IEEE and Industry

STEFAN A. ROBILA

Montclair State University

“For Contributions to the Engineering Profession in Exemplary Service as the LISAT Conference Proceedings Chair”

Dr. Stefan Robila is Associate Professor of Computer Science at Montclair State University, Montclair, NJ. He is also the director of the Center for Imaging and Optics, an active teaching and research group focused on vision, optics and image processing. Robila received a B.S. in Mathematics / Computer Science from University of Iasi, Romania in 1997 followed by M.S. in Computer Science and Ph.D. in Computer Information Science in 2000 and 2002, respectively, both from Syracuse University.

Complementing a teaching career that includes a significant part of the computing curriculum, Robila's research work has focused on remote sensing, signal processing and computer security resulting in over 40 peer reviewed publications, 4 book chapters and an edited book in progress. He has supervised over 20 graduate and undergraduate students and has received funding from the National Science Foundation, HP Foundation, Sun Microsystems, and SPIE.

Robila is a contributing member of various entities such as the Environmental Management Doctoral program at MSU, the Passaic River Institute, the IEEE Mentoring Network, etc. He has served as grant reviewer for the National Science Foundation (Interdisciplinary Program in Mathematics and Early Career Awards in Computer Vision Panels), MSU (Career Development Program) and as publication reviewer for various journals and conferences, including ones supported by IEEE and ACM. Robila is Senior Member of IEEE.

Region 1 Awards



IEEE Region 1 Enhancement of the Relationship between IEEE and Industry

DANIEL A. ROGERS

Telephonics Corporation

“For Contributions to the Profession Through Exemplary Service as the LISAT Conference Technical Program Committee Co-Chair”

Daniel Rogers is the Technical Program Chair of the IEEE LISAT Conference, Past Chairman of the IEEE Long Island Section and the Chairman of the Computer Society. Dan has worked as a software engineer and software engineering manager on real time embedded software for radars, radar jamming systems, and cell phones for over 20 years. Dan currently works at Telephonics in Farmingdale as software engineering manager and software technical lead including the design and development of the RDR-1700 and RDR-1700B maritime radars, which added new processors and capabilities. Dan is participating in the addition of a datalink capability to the RDR-1700B (UAV) radar so that it can be operated remotely for UAV platforms such as the Firescout MQ-8B.

Dan previously worked at LayerOne Wireless Technology where he participated in the generation of MAC layer cell phone software that would handle 3G protocols. He started his career working for AIL Systems in Deer Park, which is now part of ITT. He worked on the B1-B bomber self protect radar jamming system (AN/ALQ-161), the EF-111A Raven Tactical Jamming System, the E-2 Hawkeye MCU Computer upgrade, the ABSR manportable radar, and the B1-B Tail Warning Function radar. Dan has a MS in Computer Science from Polytechnic University and a BA in English from SUNY Oswego. Dan Received the Alex Gruenwald Award from the IEEE Long Island Section in 2006. Dan enjoys camping with his wife Brigitte and two sons, Danny and Dylan. He is a Boy Scout Leader. He enjoys cycling and running, and is happy to report that he has completed the NYC Marathon.



IEEE Region 1 Award For Technical Innovation (Industry and Government)

CRAIG ROMANO

BAE Systems

“For Technical Leadership in the Development of state-of-the-Art Low RCS Antennas”

Craig Romano graduated from Polytechnic University with a B.S. and M.S. in Electrical Engineering in 2002. After graduating college he joined BAE Systems in Greenlawn, N.Y., working with the legacy Wheeler Laboratory Antenna group. Craig was mentored by Alfred R. Lopez, Peter W. Hannan, and Richie J. Kumpsbeck, three prominent leaders in the antenna technology and low RCS field. Working side-by-side with mechanical engineers, designers, industrial engineers and several strategic manufacturers Craig developed his knowledge of antenna fabrication and learned how to design reliable and resilient antenna products.

Craig is involved with all the aspects of antenna design, from modeling antennas using advanced 3D electromagnetic software packages, building breadboards and prototypes, testing, tuning, and even evaluating test data versus performance specifications. Some antennas he has worked on include the C-CRPA antenna designed for the F/A-18 E/F and various antennas installed on the X-45 J-UCAS. Characteristics of the antennas he has worked on include conformal low RCS designs including both wideband apertures and high Q apertures.

While working at BAE Systems Craig continued his education at Polytechnic University and received his M.S. in Computer Engineering (2005), M.S. in Electrophysics (2008), and M.S. in Management (2008).



Fellow Award

ILAN BEN-ZVI

Brookhaven National Laboratory

“For leadership in superconducting accelerators, high brightness electron sources and free electron lasers”

Ilan Ben-Zvi is a Senior Scientist and Associate Chair for Superconducting Accelerator R&D at BNL’s Collider-Accelerator Department (at Brookhaven since 1988) and Adjunct Professor of Physics at Stony Brook University (since 1991). His current research interests are RF superconductivity, electron cooling, high-brightness beams, Energy Recovery Linacs and high-power Free Electron Lasers. Earned B.Sc. in mathematics and Physics, 1965, from the Hebrew University of Jerusalem, Ph.D. in Nuclear Physics, 1970, from the Weizmann Institute of Science, Research Associate, Stanford University 1970-1975, Senior Scientist Weizmann Institute 1975-1980, Visiting Associate Professor Stony Brook University 1980-1982, Senior Research Fellow, Weizmann Institute 1983-1988, Visiting Professor Stony Brook University 1988-1990.

Elected in 1994 as a Fellow of the American Physical Society, in 2007 as Fellow of the American Association for the Advancement of Science, and in 2009 as a Fellow of the IEEE. Received the 1999 IEEE/NPSS Particle Accelerator Science and Technology Award, the 2001 BNL Science and Technology Award, the 2007 Free-Electron Laser Prize and the 2008 IEEE/NPSS Merit Award. Served as the Director of the Accelerator Test Facility for 15 years and past chair the BNL Council. He served leading roles in various meetings and panels, including the HEPAP Subpanel on Advanced Accelerator R&D, co-chair of FEL’95, Program chair of PAC’99 and FEL’01. His public service roles include past Secretary-Treasurer of APS/DPB, Chair of the IEEE/NPSS Particle Accelerator Science and Technology Committee, editorial board of PRST-AB, initiated the joint accelerator conferences web site JACoW. He is the author or co-author of over 360 publications.



Fellow Award

KONSTANTIN K. LIKHAREV

Stony Brook University

“For contributions to superconducting digital electronics and single-electron tunneling devices”

Konstantin K. Likharev received the Candidate (Ph.D.) degree in Physics from the Lomonosov Moscow State University, Russia in 1969, and the habilitation degree of Doctor of Sciences from the Higher Attestation Committee of the U.S.S.R. in 1979.

From 1969 to 1988 Dr. Likharev was a Staff Scientist of Moscow State University, and from 1989 to 1991 the Head of the Laboratory of Cryoelectronics of that university. In 1991 he assumed a Professorship at Stony Brook University (Distinguished Professor since 2002).

During his research career, Dr. Likharev worked in the fields of nonlinear classical and dissipative quantum dynamics, and solid-state physics and electronics, notably including superconductor electronics and nanoelectronics.

He is an author of more than 250 original publications, 75 review papers and book chapters, 2 monographs, and several patents.

Dr. Likharev is a Fellow of the APS and IEEE.



Fellow Award

YUANYUAN YANG

Stony Brook University

“For contributions to parallel and distributive computing systems”

Yuanyuan Yang received BEng and MS degrees in computer science and engineering from Tsinghua University, Beijing, China, and MSE and PhD degrees in computer science from Johns Hopkins University, Baltimore, Maryland.

Dr. Yang is a Professor and Graduate Program Director of Department of Electrical & Computer Engineering, Professor of Department of Computer Science, the Director of Communications & Devices Division of New York State Center of Excellence in Wireless and Information Technology (CEWIT) , and the Director of High-Performance Computing and Networking Research Lab at Stony Brook University. Dr. Yang is internationally recognized for her contributions in networking and parallel & distributed computing systems areas. Her current research interests include wireless/mobile networks, optical networks, high-speed networks, interconnection networks, multicast communication and parallel and distributed computing systems.

Dr. Yang has served as an editor for IEEE Transactions on Parallel and Distributed Systems, and is currently an editor for IEEE Transactions on Computers and Journal of Parallel and Distributed Computing. Dr. Yang has published more than 200 scientific papers in leading refereed journals, conferences and book chapters. She is an inventor/co-inventor of six U.S. patents in the area of interconnection networks. She received an IEEE Region 1 Award for “significant contributions in multicast switching networks” in 2002, and the Best Paper Awards at 18th IEEE International Parallel and Distributed Processing Symposium in 2004, and 7th International Conference on Parallel and Distributed Systems in 2000. She has served as a general chair, program chair or vice chair for several major conferences and a program committee member for numerous conferences.



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***WISH TO EXTEND THEIR CONGRATULATIONS TO
OUR IEEE AWARDS RECIPIENTS***

YUANYUAN YANG, FELLOW AWARD

KONSTANTIN K. LIKHAREV, FELLOW AWARD

***MONICA F. BUGALLO, OUTSTANDING YOUNG
ENGINEER AWARD***



David Mesecher and William DeAgro

Both are members of our Battle Management and Engagement Systems team in Bethpage. David is a recipient of the IEEE Long Island Section Charles Hirsch Award for innovative signal processing techniques applied to adaptive filtering, smart antennas, and emitter location. William is a Region 1 award winner for technological innovation in the submission of patent ideas with his most recent patent on multipath height finding. The Long Island employees of Northrop Grumman also applaud all of this year's IEEE award winners, and the IEEE for all that it and its members contribute to the profession and society.



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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 AWARD

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.

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.

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.

THE WILLIAM TERRY DISTINGUISHED SERVICE AWARD

This award is intended to recognize those whose personal efforts have provided leadership, creativity, guidance, hard work and inspiration in a wide range of IEEE activities over a 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 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. On December 2008 the IEEE had 382,400 members (87 members shy of the all time record). It will break the all time membership record in 2009.**
- **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 developed nearly 900 active industry standards**
- **On March 16th 2009 the IEEE celebrated the addition of the two millionth article to IEEE Xplore, the world's largest source of valuable, cutting-edge, research, standards and educational courses. The IEEE Xplore digital library is the most trusted source for vital information in technology today.**
- **The organization annually sponsors more than 900 conferences worldwide**

SPECIAL THANKS TO OUR AWARDS NOMINATION COMMITTEE

Jesse Taub, Chairman

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

**Richard Mohr
John Pierro
Dr. Martin Shooman
Arlene Zhang**

 **IEEE** *Quick Facts*
LONG ISLAND SECTION

- 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 2003 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
- All IEEE Long Island Section positions are staffed by volunteers
- Visit and explore our website at: www.IEEE.LI



Special Congratulations to our
Awarded Employees

Dr. ILAN BEN-ZVI

Dr. VELJKO RADEKA

And to the IEEE Long Island Section
and their Award Honorees



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This Years Award Recipients!*



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Brookhaven National Laboratory

Contech Marketing

Tektronix



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

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

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 Truxa

HIRSCH AWARD

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
1982 Evelyn Berezin
1981 John Stangel
1980 Prof. Enrico Levi
1979 A.D. Alexandrovich
1978 Richard LaRosa
1977 Page Burr
1976 Patricia Burgmyer

PAPOULIS AWARD

2007 Frank A. Cassara
2006 Serge Luryi
2006 Wendy K. Tang
2005 Kenneth Short
2004 Peter Voltz

OUTSTANDING YOUNG ELECTRICAL ENGINEER

2008 Gabriella Carini

2006 David Hernandez
2005 Justin Maloney-Hahn
2004 Jonathan Garruba
2003 Michael Sussich
2002 Ronald J. Bajit
2001 Fatih M. Ozluturk
2000 Scott Weiner
1999 Raj Bridgelall
1998 Wing C. Kwong
1997 Paul Eyring
1995 Kenneth Aupperle
1994 Ynjun Wang
1993 Cecelia Jankowski

SECTION IEEE FELOWS

F. R. Arams
E. Aslan
H.L. Bachman
M.Q. Barton
E. Baum
Dr. G. Belenky
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
Peter Djuric
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
H. Harris
S.W. Herwald
A. Hessel
S. H. Horowitz
L.R. Kahn
J. Katz
A. Kaufman
A. Kershenbaum
H.W. Kraner
S. Kuo
J.B. Horner Kuper
R. LaRosa
V.R. Leamed
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
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
Thomas Robertazzi
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. Steven
J.S. Smith
E.A. Speakman
N.A. Spencer
G.W. Stagg
J. Swartz
T. Tamir
J.J. Taub
D.L. Trautman
B.F. Tyson
J. Vogelman
C.C. Wang
D.E. Weissman
W. Weng
J.J. Whelehan, Jr.
G.S. Wickizer
D.C. Youla

Others in the Section

J.E. Boughtwood
S.S.L. Chang
Daniel Chang
R. James
H. Kaneko
P.M. Lewis
A.A. Lundstrum
M.W. Migliaro
T. Pavlidis
D.L. Schilling
M. Schwartz
R.W. Sonnenfeldt
J.G. Truxal
J. Weinberger
A.H. Zemanian

IEEE-USA

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

RAB AWARD

Joel Snyder
K. Wendy Tang
William Wilkes

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
Gary Cachules
Thomas Campbell
Frank Cassara
Bernard Cheo
Richard Clouse
James Colotti
Peter Djuric
Melvyn Drossman
Matthew Dwork
Peter Eckstein
George Eichman
Paul M. Eyring
Arthur Faverio
John A. Fiorillo
Joseph Fragola
Kenneth Frank
Harvey Glass
Michael Green
Shahe Halajian
Richard Hines
Robert Hong
Ivan Kadar
Leonard Kahn
Richard Knadle
Richard Koch
Richard Krabak
Raymond Lackey
Richard LaRosa
L.I.F.T.
Alfred Lopez
Roderic Lowman
Peter Lubell
Louis Luceri
Edward Magill
Vello 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
Charles Rubenstein
Ronald M. Rudish
Henry Ruston
Mark Sadick
Melvin Sandler
Frederick Schuessler
Murray Simpson
Graham Smith
Joel Snyder
Martin Somin
Jerome Swartz
Karl Sygall
Jesse Taub
K. Wendy Tang
Bryan Tropper
Hang-Shen Tuan

Charles Verbeke
Peter Voltz
Charles Vozzo
David Wang
Fu-Lin Wang
Scott Weiner
Irwin Weitman
Walt Whipple
Bruce Willard
Christopher Witt
David Wolff
Yuanyuan Yang
Stanley Zoubek, Jr.
Victor Zourides
Mark Zuchowski

NATIONAL AWARDS

Dennis J. Picard Medal:
Dr. William Caputi, Jr.

Robert S. Walleigh Award:
Charles Rubenstein

SPECIAL AWARDS

2000 Millennium Awards

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

1984 Centennial Award

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

IEEE MEDALISTS

Henry Bachman
William Caputi, Jr.
Leopold Felsen*
Eric Forsyth
Ivan Frisch
George Litchford*
Nathan Marcuvitz
Athanasios Papoulis*
Mischa Schwartz
Jerome Swartz
John Truxal

SECTION CHAIRS

2009 Santo Mazzola
2008 William C. DeAgro
2007 Theodore Pappas
2006 David Wolff
2005 Daniel Rogers
2004 Chris DiFranco
2003 David Mesecher
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 Vello Marsocci
1987 Steven Roberovich
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. Redlin*
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*

*Deceased



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