

Joseph LoCicero Award for Exemplary Service to Publications Winner Biographies

Vijay Bhargava (2011)

"For contributions to the journals of the Communications Society, fostering new publications and improving effectiveness of the processes of existing ones."

Vijay Bhargava is the Communications Society's President-Elect assuming the office of President in January 2012. An IEEE volunteer for three decades, he is Professor at the University of British Columbia in Vancouver. As a senior level IEEE volunteer, he has lectured in 66 countries and assisted IEEE Presidents in negotiating sister society agreements in India, Japan and Russia. He is fluent in Hindi, English, has a working knowledge of French and is an eager student of different cultures and societies.

An active researcher, Vijay has been leading a major R&D program in Cognitive and Cooperative Wireless Communication Networks. In 1984 he founded *Binary Communications Inc.* and served as its President until 1997. He received his Ph.D. from Queen's University in 1974. Vijay has held visiting appointments at Ecole Polytechnique, NTT Research Lab, Tohoku University and the Hong Kong University of Science & Technology.

Vijay is co-author of *Digital Communications by Satellite* (Wiley: 1981) which was translated into Chinese and Japanese. He is co-editor of *Reed-Solomon Codes and Their Applications* (IEEE Press: 1994), *Cognitive Wireless Communication Networks* (Springer: 2007) and *Cooperative Cellular Wireless Networks*, a forthcoming Cambridge University press Book.

Vijay has served on the Board of Governors of the IEEE Information Theory Society and the IEEE Communications Society. He has held numerous positions in these societies and organized and chaired conferences such as ISIT'95, ISITA'96, ICC'99, VTC 2002 Fall. He has served as an Editor of the *IEEE Transactions on Communications*. He played a major role in the creation of WCNC and *IEEE Transactions on Wireless Communications*, for which he has served as Editor-in-Chief. Before become President-Elect, he was ComSoc's Director of Journals. He is a Past President of the IEEE Information Theory Society.

Vijay received IEEE Haraden Pratt Award for *meritorious Service to the Institute, particularly in regional and section activities, and for his efforts to improve relationships with technical and professional organizations worldwide.*

This citation reflects the approach he will take as assumes the role of President of the IEEE Communications Society.

Larry Greenstein (2010)

"For outstanding service to the Communications Society as Director of Journals."

Larry J. Greenstein received the B.S. M.S. and Ph.D. degrees in electrical engineering from Illinois Institute of Technology in 1958, 1961 and 1967, respectively. From 1958 to 1970, he was at IIT Research Institute, where he worked on radio frequency interference and anti-clutter airborne radar. This included co-leading an industry team in the selection of the best proposal for the AWACS radar system, and devising a model of airborne clutter for the U.S. Air Force. He joined Bell Laboratories in Holmdel, NJ in 1970. Over a 32-year AT&T career, he conducted research in digital satellites, point-to-point digital radio, optical transmission techniques and wireless communications. For 21 years during that period (1979-2000), he led a research department renowned for its contributions in these fields. Since 2002, he has been a research professor at Rutgers University's WINLAB, working on PHY-based security techniques, MIMO-based cellular systems, broadband power line systems, cognitive radio and channel modeling.

Dr. Greenstein is an IEEE Life Fellow, an AT&T Fellow, a recipient of the IEEE Communications Society's Edwin Howard Armstrong Award, and co-author of several award-winning papers. He has served on numerous editorial boards and technical program committees and was recently Director of Journals for the IEEE Communications Society.

Raouf Boutaba (2009)

"For outstanding service as founding Editor-in-Chief of the *IEEE Transactions on Network & Service Management*, and as Director of Conference Publications."

Raouf received his M.Sc. and Ph.D. degrees from Pierre & Marie Curie University (France) in 1990 and 1994 respectively. He is a Professor of Computer Science at the University of Waterloo (Canada) and currently a Distinguished Visiting Professor at POSTECH (Korea). Raouf held Visiting Professor Positions at the University of Toronto (Canada), the University of Pierre & Marie Curie (France), and ENST-Paris (France).

His research interests include network and service management in wired and wireless networks. He has published more than 300 papers in refereed journals and conference proceedings and received several journal and conference best paper awards and other recognitions such as the Premier's Research Excellence Award and the Don Stokesbury Award.

Raouf has been active within ComSoc in many capacities: Kitchener-Waterloo Chapter Chair, Information Infrastructure Technical Committee Program Chair, Vice-Chair and Chair, and founding Chair of the Autonomic Communications Subcommittee. He is currently the Director of

Conference Publications and served in the past as Director of the Standards Board and the Related Societies Board. He also served as a member of other ComSoc boards such the Education Board, the On-line Content board and the Meetings & Conferences Council. He chairs IM/NOMS steering committee, has organized many conferences, and is a ComSoc Distinguished Lecturer. He is the founding editor in chief of the *IEEE Transactions on Network & Service Management*.

Raouf was selected recipient of the Hal Sobol Award for Exemplary Service to Meetings & Conferences, in 2007, and the Fred W. Ellersick Paper Prize in 2008.

Andrzej Jajszczyk (2008)

"For outstanding service to IEEE Communications Society publications as Editor-in-Chief of *IEEE Communications Magazine*, founding Editor of *Global Communications Newsletter*, and Director of Magazines."

Andrzej Jajszczyk is a Professor at AGH University of Science and Technology in Krakow, Poland. He received M.S., Ph.D., and Dr Hab. degrees from Poznan University of Technology in 1974, 1979 and 1986, respectively. He spent a year at the University of Adelaide in Australia and two years at Queen's University in Kingston, Ontario, Canada, as a visiting scientist. Prof. Jajszczyk is the author or co-author of seven books, including *Multimedia Broadcasting and Multicasting in Mobile Networks* published by Wiley, and more than 230 papers, as well as 19 patents in the areas of telecommunications switching, high-speed networking, and network management. His current research interests focus on control plane architectures for transport networks, quality of service and network reliability. He has been a consultant to industry, telecommunications operators, and government agencies in Poland, Australia, Canada, France, Germany, India, and the USA.

Prof. Jajszczyk was the founding editor of the *IEEE Global Communications Newsletter* (1994 – 1996), editor of *IEEE Transactions on Communications* (1993 – 1997), and Editor-in-Chief of *IEEE Communications Magazine* (1998 – 2000). At the end of his three-year term, the magazine reached the top position of the impact factor list among all publications in the telecommunications area, the first time in the magazine's history.

In 2004 – 2005 he was ComSoc's Director of Magazines. In 2006 – 2007 he was Director of the Europe, Africa, and Middle East Region. Since January 2008 he is Vice-President – Technical Activities. He has been involved in the organization of numerous technical and scientific conferences. He was an IEEE Communications Society Distinguished Lecturer. He is a member of the Association of Polish Electrical Engineers and an IEEE Fellow. Professor Jajszczyk is also Vice-President of the Kyoto-Krakow Foundation, fostering cultural and technical relations between Asia and Poland.

Andrzej Jajszczyk was awarded the 2008 Foundation for Polish Science (FNP) Prize for achievements in technical sciences for his research in the area of high-speed switching networks

for the next generation Internet. The FNP Prize is an individual prize for eminent researchers for their outstanding achievements or discoveries, awarded in four main areas of study: exact sciences, medicine and life sciences, humanities and social sciences, and technical sciences. Regarded as the most prestigious of its kind in Poland, the prize honorarium is 200,000 Polish zloty (app. US\$ 75,000). The award ceremony will be held on December 5, 2008 in the Royal Castle in Warsaw.

The FNP prize for Professor Jajszczyk recognizes his outstanding contribution to the development of new technologies for the next generation Internet. The areas of a paramount importance here include techniques for designing core networks of extremely high capacities along with a variety of access networks. These technologies, invisible to the end users, are responsible for effective, fast, and reliable operation of the entire network. In the work of thousands of researchers and engineers throughout the world, some important role was also played by the recipient of the FNP Prize. He contributed to the switching network theory by his pioneering work in the area of interconnecting network design, including photonic networks, and in particular by development of methods used in the design of networks composed of integrated Digital Switching Matrices as well as new control algorithms for switching networks and identification of a new network class (*repackable networks*). The importance of his achievements are reflected by the fact that the notions of *Jajszczyk's network* and *Jajszczyk's algorithm* are used in the technical literature. Also, his research considerable impacts telecommunications practice, especially in the areas of optical network reliability and survivability, the control plane for automatically switched optical networks, as well as quality of service in IP networks.

Khaled Ben Letaief (2007)

"For outstanding performance as Founding Editor-in-Chief of the IEEE Transactions on Wireless Communications."

Khaled Ben Letaief received the BS degree *with distinction*, MS and Ph.D. Degrees in Electrical Engineering from Purdue University in 1984, 1986, and 1990, respectively. From 1990 to 1993, he was a faculty member at the University of Melbourne, Australia. Since 1993, he has been with The Hong Kong University of Science and Technology (HKUST) where he is currently a Chair Professor and Head of the Electronic and Computer Engineering Department. He is also the Director of the Hong Kong Telecom Institute of Information Technology. His research is in Wireless Communications and Networks. In these areas, he has an extensive list of publications and given invited keynote talks as well as courses all over the world.

Dr. Letaief has been very active within IEEE and served as a ComSoc volunteer in many positions including: Founding Editor-in-Chief of *IEEE Transactions on Wireless Communications*; Editor in several IEEE journals including Editor-in-Chief of *IEEE Journal on Selected Areas in Communications - Wireless Communications Series* and Editor of *IEEE Transactions on Communications*. He has been involved in organizing a number of major international conferences. These include serving as the General Co-Chair of the 2007 *IEEE Wireless Communications and Networking Conference*, WCNC'07 as well as the Technical Program Co-Chair of the 2008 *IEEE International Conference on Communication*, ICC'08. He also served as

the Chair of the IEEE Communications Society Technical Committee on Personal Communications, Chair of the *IEEE Transactions on Wireless Communications* Steering committee, as well as member of several IEEE Committees (e.g., Technical Committees Recertification, Ontology, Technical Activities Council, and Asia-Pacific Board).

In addition to his active research and professional activities, Professor Letaief has been a dedicated teacher committed to excellence in teaching and scholarship. He received the *Mangoon Teaching Award* from Purdue University in 1990; the Teaching Excellence Appreciation Award by the School of Engineering at HKUST (4 times); and the Michael G. Gale Medal for Distinguished Teaching (*Highest university-wide teaching award* at HKUST and only one recipient/year is honored for his/her contributions).

Khaled is an elected member of the IEEE Communications Society Board of Governors. He is a Fellow of IEEE, and an IEEE Distinguished Lecturer.

James F. Kurose (2006)

"For dedicated and outstanding service as the founding Editor-in-Chief of the IEEE/ACM Transactions on Networking and as ComSoc's Director of Journals."

Jim Kurose received his Ph.D. degree in computer science from Columbia University. He is currently Distinguished University Professor (and past chairman) in the Department of Computer Science at the University of Massachusetts. He has been a Visiting Scientist at IBM Research, INRIA, Institute EURECOM, University of Paris, and Thomson Research. His research interests include network protocols and architecture, network measurement, sensor networks, multimedia communication, and modeling and performance evaluation.

Dr. Kurose has served as Editor-in-Chief of the IEEE Transactions on Communications and was the founding Editor-in-Chief of the IEEE/ACM Transactions on Networking. He has been active in the program committees for IEEE Infocom, ACM SIGCOMM, and ACM SIGMETRICS conferences for a number of years, and has served as Technical Program Co-Chair for these conferences. He served two terms on the IEEE COMSOC Board of Governors, and as COMSOC Director of Journals.

He has received a number of awards for his educational activities, including the IEEE Taylor Booth Education Medal. With Keith Ross, he is the co-author of the best-selling textbook, "Computer Networking, a Top Down Approach 3rd edition)" published by Addison-Wesley Longman. He is a Fellow of the IEEE and the ACM.

Yeheskel (Zeke) Bar-Ness (2005)

"For outstanding, sustained, and visionary contributions to the Communications Society publication, *IEEE Transactions on Communications*, plus founder and first Editor-in-Chief of *IEEE Communications Letters*."

Dr. Yehekel Bar-Ness is a Distinguished Professor and Foundation Chair of Communications and Signal Processing at the New Jersey Institute of Technology. He is also the Executive Director of the Center for Wireless Communications and Signal Processing Research at NJIT. Dr. Bar-Ness received the B.Sc. and M.Sc. degrees in electrical engineering from the Technion, Haifa, Israel in 1958 and 1963, respectively, and the Ph.D. from Brown University in 1969.

He joined NJIT in 1985 after being at the University of Pennsylvania, Drexel University and AT&T Bell Labs. Between September 1993 and August 1994, he was on sabbatical with the Telecommunications and Traffic Control Systems Group, Faculty of Electrical Engineering, Delft University of Technology, Delft, The Netherlands. Between September 2000 and August 2001, he was on sabbatical at Stanford University, Stanford, California.

Zeke is an internationally known expert in communications and signal processing. He is a Fellow of IEEE and a recipient of numerous professional awards. He has published more than 200 papers and has a U.S. patent on smart antennas. He has been a principal investigator or co-principal investigator on a number of research grants or contracts supported by National Science Foundation, NJCST, US Army, US Air Force (Rome Lab), and Naval Oceanic Center, as well as industry grants from Interdigital and Samsung and others.

His current research interests include smart antenna systems for 4th generation wireless data communications, phase noise mitigation, capacity optimization, OFDM and multi-carrier CDMA, packet data communications over coded CDMA and power adaptation strategies for DS/CDMA, and MC-CDMA. His professional activities include industrial and academic institutions in Israel and in the U.S. Dr. Bar-Ness is a recipient of the Kaplan Prize (1973), which is awarded annually by the government of Israel to the ten best technical contributors.

Desmond P. Taylor (2004)

"For for enhancing quality and expanding content of Communications Society publications, for improving publications operations and review processes, and for outstanding performance as Director of Journals and Editor-in-Chief of IEEE Transactions on Communications and IEEE Communications Letters."

Desmond P. Taylor was born in Noranda, Quebec, Canada on July 5, 1941. He received the B.Sc.(Eng.) and M.Sc.(Eng.) degrees from Queen's University, Kingston, Ontario, Canada in 1963 and 1967 respectively, and the Ph.D. degree in 1972 in Electrical Engineering from McMaster University, Hamilton, Ontario, Canada. From July 1972 until June 1992, He was with the Communications Research Laboratory and Department of Electrical Engineering of McMaster University. In July 1992, he joined the University of Canterbury, Christchurch, New Zealand where he is now the Tait Professor of Communications. His research interests are centred on digital wireless communications systems with a primary focus on the development of robust, bandwidth-efficient modulation and coding techniques, and the development of iterative algorithms for joint equalisation and decoding of the fading, dispersive channels typical of mobile radio communications. Secondary interests include problems in synchronisation, multiple access

and networking. He is the author or co-author of approximately 180 published papers and holds two U.S. patents in spread spectrum communications. One paper won the S.O. Rice Award for the best Transactions paper in Communication Theory of 2001.

He is a Fellow of the IEEE, a Fellow of the Royal Society of New Zealand, and a Fellow of both the Engineering Institute of Canada and the Institute of Professional Engineers of New Zealand.

Curtis Siller (2002)

"For exceptional support of the Society's publications: in holding editorial board positions; facilitating numerous innovative programs; and advancing publications-related issues within the Board of Governors"

Curtis A. Siller, Jr. received the B.S.E.E., M.S., and Ph.D. degrees in electrical engineering from the University of Tennessee, Knoxville. He joined Bell Laboratories after graduation, where he remained until April 2001, fulfilling a 30-year career. He is currently Chief Technology Officer with Cetacean Networks, Inc., where he oversees work related to delivering real-time services via IP networks. Siller has: authored nearly 50 publications; been awarded eight patents; edited a popular book on SDH/SONET and contributed to two other reference texts; and been an invited speaker at a variety of international events. He is the recipient of numerous corporate awards and is both a Bell Labs Fellow and IEEE Fellow.

Siller's volunteer activities in the IEEE Communications Society span 20 years. He has facilitated more than 30 conference venues, served as an officer of three technical committees (chaired two), and served on the board of four publications, including Editor-in-Chief of IEEE Communications Magazine and Guest Editor on five occasions. He was subsequently appointed Director of Magazines and elected to two Vice Presidential terms (Membership Services and Technical Activities). He is currently Director of Related Societies, serving a second term on the Nominations and Elections Committee, and chairing the IEEE Transactions on Multimedia Steering Committee. His contributions were recognized with the Donald W. McLellan Meritorious Service Award and IEEE Third Millennium Medal. Curtis Siller will be President-Elect of the Communications Society in 2003.

Bill Tranter (2001)

"For outstanding sustained, and visionary contributions to the IEEE Communications Society publications Editor-in-Chief of the IEEE Journal on Selected Areas in Communications for more than a decade, co-founder of the JSAC Wireless Series, and Director of Journals."

Bill Tranter has been an active volunteer and contributor to the Communications Society since 1967. He originated ComSoc's program of conference tutorials in 1971 and organized over 20 tutorial short courses for presentation at ComSoc-sponsored conferences. He chaired the Telemetry Committee, Data Communications Committee and Communication Systems

Integration and Modeling Committee. Bill served as an editor for several Com-Soc publications and served two terms (totaling over 10 years) as Editor-in-Chief of the IEEE Journal on Selected Areas in Communications. He played a key role in the launch of the Wireless Communications Series. Bill recently served as Director - Journals and is currently a Member-at-Large of the Board of Governors. He received the Donald McLellan Award for Meritorious Service, an IEEE Centennial Medal and an IEEE Third Millennium Medal. . He begins his term as ComSoc Vice President - Technical Activities in 2002.

Bill received his Ph.D. from the University of Alabama in 1970 and served for 29 years at the University of Missouri-Rolla, most recently as the Schlumberger Professor of Electrical Engineering. In 1996 he joined the faculty of the Virginia Polytechnic Institute and State University. He currently serves as Bradley Professor of Communications and as Associate Director of the Mobile and Portable Radio Research Group.

Joseph L. LoCicero (1999)

"For outstanding service to the IEEE Transactions on Communications as Editor-in-Chief and as Publications Editor."

Joe LoCicero is a Professor in the Electrical and Computer Engineering Department at the Illinois Institute of Technology in Chicago, Illinois. He is a product of the City University of New York, where he earned a Ph.D. in electrical engineering in 1976, following a BEE (Magna Cum Laude) and a MEE from the same institution in 1970 and 1971. In addition to teaching communications at IIT, he has conducted research in speech and video. His current research activity is in high speed wireline communications, and ultra-wideband transmission techniques. Professor LoCicero served as Assistant Chairman of the ECE Department at IIT from 1982 till 1986, as Acting Chairman from 1986 to 1988, and as Interim Chairman from 1997 to 1998. He was awarded IIT's prestigious Excellence in Teaching Award in 1987. He is a member of Eta Kappa Nu, Tau Beta Pi, Sigma Xi, the New York Academy of Sciences, and the American Society of Engineering Education.

Joe LoCicero has authored over 75 technical articles including several book chapters, co-edited a ComSoc book (*Tutorials in Modern Communications*), and was an Associate Editor of an IEEE Press book (*Television Technology Today*). He holds four patents in the HDTV and video communications, as well as one in the area of speech recognition.

Joe has been very active in ComSoc, chairing and organizing technical sessions at ICCs and Globecom, and serving as the Assistant TPC Chair of ICC'85. He was Chairman of the Communication Theory Committee from 1989 to 1992, and General Chair of the first Communication Theory Mini-Conference at Globecom'92. Joe was a member of the ComSoc Board of Governors from 1994 through 1996. He is currently a member of the ComSoc Nominations and Elections Committee.

Professor LoCicero was Publications Editor of the *IEEE Transactions on Communications* from

1976 to 1988. During his long tenure as the Publications Editor, the *Transactions* enjoyed an exemplary status among the many publications of the IEEE, attracting excellent papers, publishing special issues, and becoming a widely cited journal in the field of telecommunications. The special issues of the *Transactions* were so popular that a new publication, the *Journal on Selected Areas in Communications*, was launched during this period.

Joe served as Editor-in-Chief of *Transactions on Communications* from 1992 through 1995. When he took over as EIC, the *Transactions* had a three-year backlog of almost 500 papers waiting to be published and was on the verge of becoming a marginal technical journal (authors no longer wanted to submit papers). He formulated an ingenious solution to this problem by publishing two three-month special issues of the *Transactions* - Printoff'94 and Printoff'95. Close to 2000 pages of camera-ready papers were published in each issue. After publication of these issues, the *Transactions* backlog returned to an acceptable few months.

During his tenure as the Editor-in-Chief, Professor LoCicero assembled a hard-working team of editors and established ground rules and processes with which a paper is handled (such as monitoring and reducing the time it takes for a paper to get a first review). The *Transactions* once again attracts excellent papers and enjoys its leading status among technical journals in the field of telecommunications, despite the presence of a large number of newer journals. Currently, the *Transactions* is the most widely cited technical journal in the field of telecommunications.

In summary, Joe has devoted a large part of his professional career, his talent and energy (over a period of 23 years) to the growth, development, and success of the Communications Society. He was honored with the McLellan Award for Meritorious Service in 1993. The bold changes he introduced during his term as its EIC of the *Transactions on Communications* resolved many problems – benefiting ComSoc members even after his term ended. Professor LoCicero is uniquely qualified to be the recipient of the IEEE ComSoc Publications Exemplary Service Award.

Paul Green (1999)

"As it's first recipient and in acknowledgment of his sustained editorial contributions to the Society's Journals and Magazines, for his service as an Editor-in-Chief, and as Feature Editor of the acclaimed CommuniCrostic Puzzle."

Paul Green made pioneering contributions to spread spectrum, channel adaptive receivers (Rake), radar astronomy and seismic array signal processing during his 20 years with MIT Lincoln Lab. From 1969 to January, 1997 he was variously a senior manager at IBM's Research Division or a member of IBM's Corporate Technical Committee. His IBM technical interests centered around speech recognition, peer networking and later fiber optic networking. He initiated in 1979 the program that later became APPN, the peer network control generation of System Network Architecture, and in 1988 IBM's optical networking program, which was acquired by Tellabs in January, 1997. At Tellabs, where he works on optical crossconnects and all-optical networking, his current title is Director of Optical Networking Technology. He is a Fellow of the IEEE, a member of the National Academy of Engineering, and the recipient of several awards

and medals from the IEEE and the ACM. He is the author of Fiber Optic Networks, (1993) and Editor of a number of reprint collections. He has been President of both the IEEE Communication Society and the Information Theory Society.

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