From: "Steven W. McLaughlin" <swm@ece.gatech.edu>
Subject: **BoG Candidate Bios**
Date: June 11, 2007 13:49:36 GMT+02:00
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Dear BoG members
Below are the bios of those who have agreed to be candidates for the Board of Governors election this Fall.

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Alexander Barg is a Professor of ECE at the University of Maryland, College Park, USA. He was appointed to his current position in 2003. Before joining academia he spent a number of years at Bell Labs Research, Murray Hill, New Jersey. His research interests are in the theory of error correcting codes, information theory, and their interactions with computer science and discrete mathematics. He received his Ph.D. degree in EE from the Institute for Information Transmission Problems of the Russian Academy of Sciences (1987) where he is presently senior researcher (on leave) at Dobrushin Mathematical Laboratory. He has been involved in many activities of the Information Theory Society of the IEEE including co-chairing the Technical Program Committee of the ISIT 2006 and participating in a number of Society's ad-hoc committees. He was an associate editor for coding theory of the IEEE Transactions on Information Theory in 1997-2000 and is presently on the editorial board of Problems of Information Transmission as well as of a few other journals.

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Giuseppe Caire was born in Torino, Italy, in 1965. He received the B.Sc. in Electrical Engineering from Politecnico di Torino (Italy), in 1990, the M.Sc. in Electrical Engineering from Princeton University in 1992 and the Ph.D. from Politecnico di Torino in 1994. He has been Research Staff with the European Space Agency (ESTEC, Noordwijk, The Netherlands) from May 1994 to February 1995, Assistant Professor at the Politecnico di Torino, Associate Professor at the University of Parma, Italy, Professor with the Department of Mobile Communications at the Eurecom Institute, Sophia-Antipolis, France, and he is now professor with the EE Department of the Viterbi School of Engineering, University of Southern California, Los Angeles, CA. He was a recipient of the AEI G.Someda Scholarship in 1991, of the COTRAO Scholarship in 1996 and of the CNR Scholarship in 1997. He has been visiting Princeton University in summer 1997 and Sydney University in summer 2000. He served as Associate Editor for the IEEE Transactions on Communications in 1998-2001 and as Associate Editor for the IEEE Transactions on Information Theory in 2001-2003. He received the Jack Neubauer Best System Paper Award from the IEEE Vehicular Technology Society in 2003, and the Joint IT/Comsoc Best Paper Award in 2004. Since November 2004 he is member of the Board of Governors of the IEEE Information Theory Society and is Fellow of IEEE. His current interests are in the field of communications theory, information theory and coding theory with particular focus on wireless and satellite applications.

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Daniel J. Costello, Jr. was born in Seattle, WA, on August 9, 1942. He received the B.S.E.E. degree from Seattle University, Seattle, WA, in 1964, and the M.S. and Ph.D. degrees in electrical engineering from the University of Notre Dame, Notre Dame, IN, in 1966 and 1969, respectively. In 1969 he joined the faculty of the Illinois Institute of Technology, Chicago, IL, as an Assistant Professor of Electrical Engineering. He was promoted to Associate Professor in 1973, and to Full Professor in 1980. In 1985 he became Professor of Electrical Engineering at the University of Notre Dame, Notre Dame, IN, and from 1989 to 1998 served as Chair of the Department of Electrical Engineering. In 1991, he was selected as one of 100 Seattle University alumni to receive the Centennial Alumni Award in recognition of alumni who have displayed outstanding service to others, exceptional leadership, or uncommon achievement. In 1999, he received a Humboldt Research Prize from the Alexander von Humboldt Foundation in Germany. In 2000, he was named the Leonard Bettex Professor of Electrical Engineering at Notre Dame. Dr. Costello has been a member of IEEE since 1969 and was elected Fellow in 1985. Since 1983, he has been a member of the Information Theory Society Board of Governors, and in 1986 served as President of the BOG. He has also served as Associate Editor for Communication Theory for the IEEE Transactions on Communications, Associate Editor for

Coding Techniques for the IEEE Transactions on Information Theory, and Co-Chair of the IEEE International Symposia on Information Theory in Kobe, Japan (1988), Ulm, Germany (1997), and Chicago, IL (2004). In 2000, he was selected by the IEEE Information Theory Society as a recipient of a Third-Millennium Medal. Dr. Costello's research interests are in the area of digital communications, with special emphasis on error control coding and coded modulation. He has numerous technical publications in his field, and in 1983 co-authored a textbook entitled "Error Control Coding: Fundamentals and Applications", the 2nd edition of which was published in 2004.

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Michelle Effros received the B.S. degree with distinction in 1989, the M.S. degree in 1990, and the Ph.D. degree in 1994, all in electrical engineering from Stanford University. During the summers of 1988 and 1989 she worked at Hughes Aircraft Company. She joined the faculty at the California Institute of Technology in 1994 and is currently a Professor of Electrical Engineering. Her research interests include information theory, network coding, data compression, communications, pattern recognition, and image processing. She received Stanford's Frederick Emmons Terman Engineering Scholastic Award (for excellence in engineering) in 1989, the Hughes Masters Full-Study Fellowship in 1989, the National Science Foundation Graduate Fellowship in 1990, the AT&T Ph.D. Scholarship in 1993, the NSF CAREER Award in 1995, the Charles Lee Powell Foundation Award in 1997, the Richard Feynman-Hughes Fellowship in 1997, an Okawa Research Grant in 2000, and was cited by Technology Review as one of the world's top 100 young innovators in 2002. She is a member of Tau Beta Pi, Phi Beta Kappa, Sigma Xi, and the IEEE Information Theory, Signal Processing, and Communications societies. She served as the Editor of the IEEE Information Theory Society Newsletter from 1995 to 1998 and as a Member of the Board of Governors of the IEEE Information Theory Society from 1998 to 2003. She served on the IEEE Signal Processing Society Image and Multi-Dimensional Signal Processing (IMDSP) Technical Committee from 2001 to 2006, as guest Associate Editor for the 2006 joint special issue of the IEEE Transactions on Information Theory and the IEEE/ACM Transactions on Networking on Networking and Information Theory and is currently Associate Editor for Source Coding for the IEEE Transaction on Information Theory.

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Stephen Hanly received a B.Sc. (Hons) and M. Sc. from the University of Western Australia, and the Ph.D. degree in mathematics in 1994 from Cambridge University, UK. From 1993 to 1995, he was a Post-doctoral member of technical staff at AT&T Bell Laboratories. He is presently an Associate Professor and Reader in the Department of Electrical and Electronic Engineering at the University of Melbourne, where he has been employed in teaching and research since 1996. He is an Associate Editor for

IEEE Transactions on Wireless Communications, and in 2005 was the technical co-chair for the IEEE International Symposium on Information Theory held in Adelaide, Australia. He was a co-recipient of the best paper award at the Infocom 1998 conference, and the 2001 Joint IEEE Communications Society and Information Theory Society best paper award, both for his work with David Tse. His research interests are in the areas of information theory and wireless networking.

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Sanjeev Kulkarni received the B.S. in Mathematics, B.S. in E.E., M.S. in Mathematics from Clarkson University in 1983, 1984, and 1985, respectively, the M.S. degree in E.E. from Stanford University in 1985, and the Ph.D. in E.E. from M.I.T. in 1991. From 1985 to 1991 he was a Member of the Technical Staff at M.I.T. Lincoln Laboratory. Since 1991, he has been with Princeton University where he is currently Professor of Electrical Engineering. He is also an affiliated faculty member in the Department of Operations Research and Financial Engineering and in the Department of Philosophy. Prof. Kulkarni spent January 1996 as a research fellow at the Australian

National University, 1998 with Susquehanna International Group, and Summer 2001 with Flarion Technologies. He served as Associate Dean in the School of Engineering and Applied Science at Princeton from 2004 to 2006. Prof. Kulkarni received an ARO Young Investigator Award in 1992, an NSF Young Investigator Award in 1994, and a number of teaching awards at Princeton University. He is a Fellow of the IEEE and has served as an Associate Editor for the IEEE Transactions on Information Theory. Prof. Kulkarni's research interests include information theory, data compression, statistical pattern recognition, nonparametric statistics, learning and adaptive systems, wireless networks, and signal/image/video processing.

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Serap Savari grew up in New York. She spent a significant fraction of her life as a college student at MIT, where she earned four degrees and had her first exposure to information theory. Upon retiring from her student career, she took up a similar line of work for seven years by becoming a Member of Technical Staff in the Computing Sciences Research Center at Bell Labs (now part of Alcatel-Lucent). She continued from there to another institution with a connection to Claude Shannon and is currently an Associate Professor in the Electrical Engineering and Computer Science Department at the University of Michigan, Ann Arbor. Her research interests include information theory, network coding, data compression, and computer and communication systems. She served as an Associate Editor for Source Coding for the IEEE Transactions on Information Theory from 2002-2005. She was the Bell Labs representative to the DIMACS council from 2001-2003, and has been a member of the program committees for several conferences and workshops. In some of her free time,she practices handstands and other yoga poses.

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Amin Shokrollahi, is an expert in low-density parity check codes and is the coauthor of numerous books and research papers in coding theory, computational number theory and algebra and algebraic complexity theory, and holder of several patents in the area of error control coding. He is the co-inventor of Tornado codes, and the inventor of raptor codes which are the most used type of fountain codes in practice. Amin is a professor of mathematics and computer science at Switzerland's Ecole Polytechnique Fédérale de Lausanne and chief scientist of Digital Fountain. He worked for the Department of Fundamental Mathematics Research at Lucent Technologies' Bell Laboratories. Amini received his master's degree in mathematics from Karlsruhe University, Germany in 1988 and a doctorate in computer science and mathematics from the University of Bonn , Germany in 1991.

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Emina Soljanin received the M.S. and Ph.D. degrees in Electrical Engineering from Texas A&M University, College Station, in 1989 and 1994, and the European Diploma degree in Electrical Engineering from University of Sarajevo, Bosnia, in 1986. From 1986 to 1988, she worked in the Energoinvest Company, Bosnia and Herzegovina, developing optimization algorithms and software for power system control. After graduating from Texas A&M in 1994, she joined Bell Laboratories, Murray Hill, NJ, where she is now a Distinguished Member of Technical Staff in the Mathematical Sciences Research Center. Her research interests are in the broad area of communications, information and coding theory, their applications to storage systems, and more recently quantum information theory. Dr. Soljanin was the recipient of the 1992 Texas A&M University Electrical Engineering Department Fouraker fellowship. She served as a Technical Proof-Reader, 1990-1992, and as the Associate Editor for Coding Techniques, 1997-2000, for the IEEE Transactions on Information Theory. She has been serving as a Co-Chair for the DIMACS Special Focus on Computational Information Theory and Coding.

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Wojciech Szpankowski received his M.S. and Ph.D. degrees in Electrical

and Computer Engineering from the Technical University of Gdansk in 1976 and 1980, respectively. Currently, he is Professor of Computer Science and Electrical and Computer Engineering at Purdue University. In 1992 he was Professeur Invite at INRIA-Rocquencourt, France, in 1999 he was Visiting Professor at Stanford University, and in 2006 the Erskine Fellow at University of Canterbury, Christchurch, New Zealand. His research interests are information theory, analysis of algorithms, bioinformatics, analytic combinatorics, and stability problems of distributed systems. He published the book "Average Case Analysis of Algorithms on Sequences", John Wiley & Sons, 2001. Szpankowski has been a guest editor and an editor of technical journals, including the IEEE Transactions on Information Theory, Foundation and Trends in Communications and Information Theory, Combinatorics, Probability, and Computing, Theoretical Computer Science, and the ACM Transaction on Algorithms. He co-chaired the Information Theory and Networking Workshop, Metsovo, Greece, the "NSF Workshop on Information Theory and Computer Science Interface", Chicago, and the workshop "Information Beyond Shannon", Orlando. In June 2004 he directed the MSRI Graduate Program on the "Analysis of Algorithms and Information Theory". He is a Fellow of the IEEE.

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A native of Napoli, Italy, Antonia M. Tulino is currently an Associate Professor in the Department of Electrical and Telecommunications Engineering at the Università degli Studi di Napoli "Federico II". Upon completion of her doctorate in Electrical Engineering at the Seconda Università degli Studi di Napoli in 1999, she held a research position at the Center for Wireless Communications, Oulu, Finland. In 2000 she was a Research Fellow at the Department of Electrical Engineering, Princeton University. From 2001 to 2002, she served as Assistant Professor in the Faculty of Engineering, Università degli Studi del Sannio, Benevento, Italy. In 2004, she co-authored with Sergio Verdú the monograph ``Random Matrices and Wireless Communications," which gives a comprehensive account of the asymptotic theory of the spectral distribution of random matrices and its applications to information theory and signal processing. Her research interests lay in the broad area of communication systems analyzed with the complementary tools provided by signal processing, information theory and random matrix theory.

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Venugopal V. Veeravalli (S'86--M'92--SM'98--F'06) received the the Ph.D. degree in 1992 from the University of Illinois at Urbana-Champaign, the M.S. degree in 1987 from Carnegie-Mellon University, Pittsburgh, PA, and the B. Tech. degree in 1985 from the

Indian Institute of Technology, Bombay, (Silver Medal Honors), all in Electrical Engineering. He joined the University of Illinois at Urbana-Champaign in 2000, where he is currently a Professor in the department of Electrical and Computer Engineering, and a Research Professor in the Coordinated Science Laboratory. He served as a program director for communications research at the U.S. National Science Foundation in Arlington, VA from 2003 to 2005. He was an assistant professor at Cornell University, Ithaca, NY from 1996 to 2000. His research interests include distributed sensor systems and networks, wireless communications, detection and estimation theory, and information theory. He is a Fellow of the IEEE and currently on the Board of Governors of the IEEE Information Theory Soceity. He was an Associate Editor for Detection and Estimation for the

IEEE Transactions on Information Theory from 2000 to 2003, and an associate editor for the IEEE Transactions on Wireless Communications from 1999 to 2000. Among the awards he has received for research and teaching are the IEEE Browder J. Thompson Best Paper Award in 1996, the National Science Foundation CAREER Award in 1998, and the Presidential Early Career Award for Scientists and Engineers (PECASE) in 1999.

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Kenneth Zeger was born in Boston in 1963. He received both S.B. and S.M. degrees in electrical engineering and computer science from MIT in 1984, and both an M.A. degree in mathematics and a Ph.D. in electrical and computer engineering at the University of California, Santa Barbara, in 1989 and 1990, respectively. He is presently a full Professor in the Department of Electrical and Computer Engineering at the University of California at San Diego. He received an NSF Presidential Young Investigator Award in 1991. He served as Associate Editor At-Large for the IEEE Transactions on Information Theory 1995-1998, served as a member of the Board of Governors of the IEEE Information Theory Society 1998-2000 and 2005-2007, and became an IEEE Fellow in 2000.

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See you in two weeks.

Best regards
Steve