



**SHINGO OHMORI**

Co-chair of WPMC Steering Board, Vice president of the National Institute of Information and Communications Technology (NICT), Japan

*"Towards Ubiquitous Networked Society – Convergence of Wireless and Optical Network Technologies"*

Shingo Ohmori received the B.E., M.E., and Ph.D. degrees in electrical engineering from the University of Tohoku, Japan, in 1973, 1975, and 1978, respectively. Since 1978, he has been with National Institute of Information and Communications Technology (NICT). He has been engaged in research on mobile satellite communications, especially on antenna and propagation. During 1983-1984, he was a visiting research associate at the ElectroScience Laboratory, the Ohio State University, Columbus, Ohio. He is now a Vice President of NICT. He has also a Professorship of Yokohama National University in Yokohama, Japan. He is an author of "Mobile Satellite Communications" (Artech House, 1998) and a co-author of "Mobile Antenna Systems Handbook" (Artech House, 1994). He was awarded the Excellent Research Prize from the Minister of Science and Technology Agency of Japan in 1985, and the Excellent Research Achievements Prize of the IEICE in 1993. Dr. Ohmori is an IEEE Fellow and an IEICE Fellow (Institute of Electronics, Information and Communication Engineers, Japan).



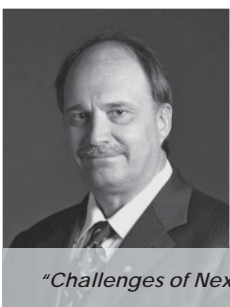
**HANS-JOACHIM DRESSLER**

Head of BTS Technology, Architecture and Specification in Multiradio R&D BTS, Nokia Siemens Networks, Germany

*"Base Stations for Mobile Radio Networks – Trends and Highlights"*

Hans-Joachim Dreßler received the Dipl.-Ing. degree in electrical engineering from the University of Erlangen-Nuremberg in 1984 and the Dr.-Ing. degree from the Technical University of Hannover in 1992. In his industry career since 1985 he participated in various R&D projects on analogue and digital PMR, GSM, TD-SCDMA, WCDMA and recently LTE.

He is with Nokia Siemens Networks where his area of responsibility is BTS Technology and Architecture. Moreover he teaches Communications Systems at the University of Ulm and the University of Applied Sciences of Constance.



**JUHA HULKKO**

Chairman, Centre for Wireless Communications (CWC) Steering Board, Finland

*"Challenges of Next Generation Internet From User Point of View"*

Juha Hulkko is a born manager whose one-man-company located in a remote city in Northern Finland has grown in twenty years into a multimillion group of companies employing over 1700 people worldwide.

He has long and profound experience in wireless and automotive industries in co-operation with world's leading companies. He was one of the founders of Elektrobitt Ltd. in 1985 and served as the CEO of the company 1985-1995 and as the chairman of the board 1995-2005. After listing in the Helsinki Stock Exchange Elektrobitt changed its name to Elektrobitt Group Plc. Mr. Hulkko served as CEO of Elektrobitt Group Plc. 2005-2006 and as member of the board 2006 onwards.

Mr. Hulkko is co-founder of Centre for Wireless Communications and has served as the chairman of the steering board of the CWC since its establishment in 1995. His current interests include radio amateur activities as his renowned radio Arkala project demonstrates and development of virtual world platform realXtend.



**ANTHONY EPHEMIDES**

Cynthia Kim Professorship of Information Technology at the Electrical and Computer Engineering Department of the University of Maryland in College Park and joint appointment at the Institute for Systems Research, United States

*"The Wireless Revolution at Crossroads – Where to Next?"*

Anthony Ephremides holds the Cynthia Kim Professorship of Information Technology at the Electrical and Computer Engineering Department of the University of Maryland in College Park where he holds a joint appointment at the Institute for Systems Research, of which he was among the founding members in 1986. He obtained his PhD in Electrical Engineering from Princeton University in 1971 and has been with the University of Maryland ever since.

He has held various visiting positions at other Institutions (including MIT, UC Berkeley, ETH Zurich, INRIA, etc) and co-founded and co-directed a NASA-funded Center on Satellite and Hybrid Communication Networks in 1991. He has been the President of Pontos, Inc. since 1980 and has served as President of the IEEE Information Theory Society in 1987 and as a member of the IEEE Board of Directors in 1989 and 1990. He has been the General Chair and/or the Technical Program Chair of several technical conferences (including the IEEE Information Theory Symposium in 1991 and 2000, the IEEE Conference on Decision and Control in 1986, the ACM Mobihoc in 2003, and the IEEE Infocom in 1999). He has served on the Editorial Board of numerous journals and was the Founding Director of the Fairchild Scholars and Doctoral Fellows Program, a University-Industry Partnership from 1981 to 1985.

He has received the IEEE Donald E. Fink Prize Paper Award in 1991 and the first ACM Achievement Award for Contributions to Wireless Networking in 1996, as well as the 2000 Fred W. Ellersick MILCOM Best Paper Award, the IEEE Third Millennium Medal, the 2000 Outstanding Systems Engineering Faculty Award from the Institute for Systems Research, and the Kirwan Faculty Research and Scholarship Prize from the University of Maryland in 2001, and a few other official recognitions of his work. He also received the 2006 Aaron Wyner Award for Exceptional Service and Leadership to the IEEE Information Theory Society.

He is the author of several hundred papers, conference presentations, and patents, and his research interests lie in the areas of Communication Systems and Networks and all related disciplines, such as Information Theory, Control and Optimization, Satellite Systems, Queueing Models, Signal Processing, etc. He is especially interested in Wireless Networks and Energy Efficient Systems.



**ROBERT CALDERBANK**

Professor of Electrical Engineering, Mathematics and Applied and Computational Mathematics, and Ph.D., California Institute of Technology, United States

*"It's the Receiver, Stupid!"*

Professor Calderbank comes to Princeton from AT&T Labs, where he served as vice president for information sciences research from 1997 to 2002 and as vice president for research and Internet and network systems in 2002-03. He joined AT&T as a member of its technical staff in 1980.

Widely recognized by the professional engineering community for his contributions to data communications and storage, he is the recipient of

several awards from the Institute for Electrical and Electronics Engineers. He earned AT&T's highest technical honor in 2000 when he was appointed an AT&T Fellow.

Calderbank, a specialist in coding theory, served as an adjunct professor of electrical engineering at Princeton in 1993 and 1994. He earned his bachelor's degree from Warwick University in England, his master's degree from Oxford University and his doctoral degree from the California Institute of Technology.



**Ezio Biglieri**

Adjunct professor of Electrical Engineering at University of California Los Angeles (UCLA) and an honorary professor at Universitat Pompeu Fabra, Barcelona, Spain

*"How Random-Set Theory Can Help Wireless Communications"*

Ezio Biglieri was born in Aosta (Italy). He received his formal training in Electrical Engineering at Politecnico di Torino (Italy), where he received his Dr. Engr. degree in 1967. He is presently an adjunct professor of Electrical Engineering at University of California Los Angeles (UCLA) and an honorary professor at Universitat Pompeu Fabra, Barcelona, Spain. Previously he was a Professor at the University of Napoli (Italy), at Politecnico di Torino, and at UCLA.

He has held visiting positions with the Department of System Science, UCLA, the Mathematical Research Center, Bell Laboratories, Murray Hill, NJ, the Bell Laboratories, Holmdel, NJ, the Department of Electrical Engineering, UCLA, the Telecommunication Department of The Ecole Nationale Supérieure des Télécommunications, Paris, France, the University of Sydney, Australia, the Yokohama National University, Japan, the Electrical Engineering Department of Princeton University, the University of South Australia, Adelaide, the University of Melbourne, Australia, the Institute for Communications Engineering, Munich Institute of Technology, Germany, the Institute for Infocomm Research, National University of Singapore, the National Taiwan University, Taipei, Republic of China, the University of Cambridge, U.K., and ETH Zurich, Switzerland.

He was elected three times to the Board of Governors of the IEEE Information Theory Society, and he served as its President in 1999. He is currently the Editor-in-Chief of the IEEE Transactions on Information Theory and of the Journal of Communications and Networks.

Among other honors, in 2000 he received the IEEE Third-Millennium Medal and the IEEE Donald G. Fink Prize Paper Award, in 2001 the IEEE Communications Society Edwin Howard Armstrong Achievement Award and a Best Paper Award from WPMC'01, Aalborg, Denmark, and in 2004 the Journal of Communications and Networks Best Paper Award. He is a Fellow of the IEEE.