Open Data:
at the Crossroad of Technology, Business and Regulation

Roberto Saracco is the President of EIT Italy (European Institute for Innovation and Technology) and Node Director of EIT ICTLabs Italy, based in Trento, one of the 6 European Labs set up by the European Commission to transform research results in the Information and Telecommunication areas into market innovation. Up to December 2011 he was the Director of the Future Centre in Venice, responsible for innovative telecommunications architectures and scientific communications reporting directly to the Strategy Officer of Telecom Italia. Roberto chaired the Visionary Group (1996-1997) on Super Intelligent Networks to steer the co-operative research at the European Union (EU) level beyond the year 2000. He has recently served as member of the Internet 2020 Strategy Group and European Research Network (GEANT) expert group. In the eighties, Roberto led research in Telecommunications Management in CSELT, and actively participated in standardization activities at CCITT, and in a number of international standardization organizations including OSI, ETSI and T1M1. His leadership includes chairing an EU-level group for planning, leading European research activities in the area of software technologies, and the EURESCOM group in designing the framework for European co-operation on TMN. He has published over 100 papers in journals and magazines, six books – including "The Disappearance of Telecommunications," which was published in the USA by IEEE press, He has also delivered speeches and keynotes at many international conferences. He currently lectures at the Turin Polytechnic on the aspects of multimedia and telecommunications.

He is a senior member of IEEE that he joined over 20 years ago. In the last 15 years he has held several leading roles and conducted a number of DLTs and DSPs. Currently he is the Director of the Sister and Related Societies of COMSOC. Previously he has served as VP of Member Relations, Director of Marketing, Chair of the CNOM and Enterprise Management TCs.

Call for Papers – Special Issue on Quantum Communications

Although quantum computers are going to be the applications of the far future, there are already a few algorithms to solve problems which are very difficult to handle with traditional computers. Quantum computing is based on various quantum effects in physics and offers revolutionary solutions for different problems e.g., prime factorization, searching in unsorted database, key distribution and information coding. The power of quantum parallelism allows us to solve classically complex problems, and the quantum entanglement leads to quantum communication algorithms like teleportation and super dense coding. The quantum cryptography provides new ways to transmit information with unconditional security by using different quantum key distribution protocols. The special issue of Infocommunications Journal will focus on quantum communications with the following scope:

- Quantum Communications
- Quantum Interferometry and Quantum Sensors
- Entanglement as a Resource of Quantum Technology
- Quantum Cryptography
- Quantum Processors and Computers Design
- Quantum Programming Languages and Semantics

Authors are requested to send their manuscripts via electronic mail to László Bacsárdi at *bacsardi@hit.bme.hu* until 30 September, 2012. The manuscripts should follow the IEEE format with maximum length of 8 journal pages.

Guest Editors:

OZGUR B. AKAN (M'00–SM'07) received the B.S. and M.S. degrees in electrical and electronics engineering from Bilkent University and Middle East Technical University, Ankara, Turkey, in 1999 and 2001, respectively, and the Ph.D. degree in electrical and computer engineering from the Broadband and Wireless Networking Laboratory, School of Electrical and Computer Engineering, Georgia Institute of Technology, Atlanta, in 2004.

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He received the IEEE COMSOC Outstanding Young Researcher Award for EMEA Region 2010 (as runner-up), the IBM Faculty Award twice in 2010 and 2008, and the Turkish Academy of Sciences Distinguished Young Scientist Award 2008 (TUBA-GEBIP).

LÁSZLÓ BACSÁRDI obtained his MSc degree in computer engineering from Budapest University of Technology and Economics (BME) in 2006. He holds an assistant professor position at the University of West Hungary. He wrote his PhD Thesis on the possible connection between space communications and quantum communications at the BME Department of Telecommunications. His current research interests are in mobile ad hoc communication, quantum computing and quantum communications. He is Secretary General of the Hungarian Astronautical Society (MANT), which is the oldest Hungarian non-profit space association founded in 1956. He is member of the board of a Hungarian scientific newspaper ('World of Nature') and he is the publisher of a non-profit Hungarian space news portal ('Space World'). Furthermore he is member of IEEE and HTE. He has joined the Space Generation Advisory Council (SGAC) as well, and is currently active as the Hungarian National Point of Contact.

SÁNDOR IMRE was born in Budapest in 1969. He received the M.Sc. degree in Electrical Engineering from the Budapest University of Technology (BUTE) in 1993. Next he started his Ph.D. studies at BUTE and obtained Dr.Univ. degree in 1996, Ph.D. degree in 1999 and DSc degree in 2007. Currently he is carrying his activities as a Professor and a Head of Department of Telecommunications at BUTE. He is a member of Telecommunication Systems Committee of the Hungarian Academy of Sciences. He participates in the Editorial Board of two journals: Infocommunications Journal and Hungarian Telecommunications. He was invited to join the Mobile Innovation Centre as R&D director in 2005. His research interests includes mobile and wireless systems. His main research interests and contributions are in the areas of various wireless access technologies, mobility protocols and reconfigurable systems.