



ETSI WORKSHOP ON ENERGY EFFICIENCY SPEAKERS' BIOGRAPHIES



20 – 21 June 2012, Genoa (IT)

<http://www.etsi.org/EEWORKSHOP>

PROGRAMME COMMITTEE MEMBERS



Beniamino GORINI, Alcatel-Lucent, ETSI TC EE Chairman

Beniamino Gorini has achieved the Degree in Electronic Engineer in 1985 at the University "Politecnico" of Milano, Italy. Since 1987 he has been working in telecommunication industries starting in Telettra, an Italian provider of telecom equipment, that became later part of the Alcatel group and now Alcatel-Lucent group that is a worldwide supplier of telecom products.

He started his working experience in Research & Development department as design engineer of power supply units and later moved to Quality Department where he went through positions of EMC compliance manager, Environmental compliance manager, Product quality compliance manager and standardization coordinator. He is now in charge of the Qualification laboratories for EMC, safety and environmental topics in Alcatel-Lucent Italy and has also the responsibility for the Standardization and Environmental matters in the Optics Business Division.

He is involved in the standardization bodies since 1989, with main focus on EMC, safety, environmental, Electromagnetic field radiation and reliability. He had various roles in International Standardization bodies and is currently chairman of the ETSI TC "Environmental Engineering", chairman of IEC/CISPR SC-H "Emission limits", Co-chairman of the CEN/CENELEC/ETSI joint WG on Mandate M/462 "Energy efficiency in ITC", Vice-chairman of ETSI ERM-EMC WG, convener of IEC/CISPR SC-A/WG2 "EMC test methods"



Marc AUBREE - France Telecom – Orange Labs

After Physics and Chemistry studies in Paris University, Marc AUBREE joins France Telecom and Orange Labs where he has got almost 20 years experience about energy, stand-alone power systems and monitoring.

After managing projects for information system applications and be involved in quality insurance, he has currently the responsibility of technical activities on power consumption reduction and new power sources for ICT.

He is vice chairman of the environmental sub-group (EEPS) within ETSI EE and project coordinator of the Eureka-Celtic OPERA-Net 2 project.



Pernilla BERGMARK, M Sc EE, graduated from Royal Institute of Technology in 1991.

She started in telecom sector and joined Ericsson in 1994, working with system management in various positions, focusing on radio performance and hardware architecture for several years.

Over the years she has specialized more and more on energy efficiency and life cycle assessments, and since 2011 she holds a master researcher position in sustainability assessment at Ericsson Research. Pernilla Bergmark has been an active member of many of the recent standardization initiatives related to life cycle assessments and organizational inventory, including ETSI EE, ITU-T

and GHGP ICT supplement.



Claudio BIANCO, Telecom Italia Lab

Claudio Bianco received a Dr. Ing. degree in Electrical Engineering from Politecnico di Torino (Italy) in 1995. He joined Telecom Italia Lab (formerly CSELT), that is the Telecom Italia Group's Company for study, research, experimentation and qualification in the field of telecommunications and information technology. The fields of his research and engineering activities are addressed toward energy efficiency, power and air-conditioning system, energy storage, equipment power consumption and deployment of new ultra-broadband access networks. He is involved in ETSI Environmental Engineering standardization group (chairing the working Group EE1).



Raffaele BOLLA, University of Genoa

He is responsible of the International relationships for Engineering Faculty of Genoa University. He has been and is Principal Investigator/responsible of many important research projects and contracts in the telecommunication field. He is participating to standardization activities of many different bodies especially for what concerns the general theme of ICT energy efficiency and environmental sustainability. He has co-authored over 200 scientific publications in international journals, books and conference proceedings. His current research interests are mainly: i) mechanisms and techniques for energy consumption reduction in IP networks, ii) modeling and design of Service Specific Overlay Networks, iii) advance platform for Future Internet nodes

(Flexible Software Router), iv) networking architectures, protocols and techniques for the smart energy grid support.

Raffaele Bolla has been Associate Professor at University of Genoa (Dynatech Department) where he is leading the Telecommunication Networks and Telematics Laboratory (TNT LAB).



Daniel DIANAT, Ericsson

Daniel (daniel.dianat@ericsson.com) has been working with Ericsson since 1999 with radio related tasks. Daniel started his career within energy efficiency from 2006 and has been designer of BTS Power Saving feature and co-designer of Time Slot Power Saving feature and PSU power saving feature in GSM. Daniel joined the standardization group within Ericsson at 2009 and since then he has been working with EE standardization within ETSI and also ITU-T SG5. Daniel Dianat is working now as team leader for energy efficiency standardization group at DURA System & Technology within Ericsson.



PAOLO GEMMA, HUAWEI

Paolo Gemma - senior Specialist for Europe and representative of Huawei on issues related to energy saving and environmental sustainability of companies worldwide - has done its input in Huawei in April 2008.

Before he was in Nokia Siemens Networks, has been responsible for laboratories Italian for EMC (electromagnetic compatibility) and electrical safety areas. Previously he held for 18 years a role like within the Siemens Communications Division.

Paolo Gemma, has an active role in international standardization activities. Since 1993 has engaged in ETSI (European Telecommunication Standard Institute) and participates in the development of telecommunications EMC standards.

Paolo Gemma has followed the work of the EE (Environmental Engineering) of ETSI Technical Committee since 1998. In 2002, has been appointed Secretary of the Committee ETSI TC EE and 2009 holds the position of Chairman of the EEPS EE (eco Environmental product standard) working group. In 1997 he did entering ITU-T in the study group 5 with the role of Rapporteur until now It is, actually he is acting as rapporteur of Q17/5 "Energy efficiency for ICT equipment and Climate Change standards harmonization" . Paolo Gemma is a graduate in electrical engineering from the University of Genoa in 1987.



Didier MARQUET, France Telecom

Didier Marquet graduated from Caen National Engineer School (ENSI Caen also called Institute of material and waves ISMRA) has joined France Telecom research center in 1983 as research engineer in the field of Energy. He has specialized himself on energy and system theory. He has worked on the development of the new 48V energy system in France Telecom network and on the control monitoring network. He has developed optimal sizing for solar PV standalone telecom sites. He is rapporteur of ITU-T question 21 (reduction of e-waste including the universal charger and common power supply standards) and question 19 (power feeding of telecom/datacenter sites) and he is chairman of ETSI EE/EE2 (Telecom/Datacom 400VDC power interface and on

energy/cooling control/monitoring based on XML). He is also working on research on ICT service energy/CO2 impact assessment and on new energy solution such as Stirling machine, hybrid solar energy and solution to extend mobile energy autonomy such as wireless energy transfer or ultrafast mobile charger through several patents.



Dong Hi SIM, ETSI

Dong Hi SIM (Donghee Shim), one of technical officers in ETSI, has 12 years experience in telecommunication standardization activities such as 3GPP, OMA and IEEE.

He served two years as a vice chair of OMA Location WG and actively involved in location service requirement and architectures in 3GPP as work item rapporteur and contributor. He was with LG Electronics Inc. as a senior research engineer and SK Telecom as a manager in South Korea before joining ETSI. He holds a master degree in electrical engineering. Also he was a visiting scholar in Virginia Polytechnic Institute and State University (Virginia Tech.) to research the digital signal

processing for smart antenna system.

SPEAKERS



Dave BOSSMIN, ATIS, Ericsson Canada

Dave Bossmin is an electrical engineer focused on energy efficiency standardization for mobile networks. He currently works for Ericsson and conducts his research activities at their location in Ottawa, Canada. In addition to being a contributing member of the ATIS STEP-TEE standards committee, he was recently named chair of ATIS' newly formed Wireless Working Group (WWG), a subcommittee dedicated to advancing energy efficiency standards for wireless network equipment in North America.

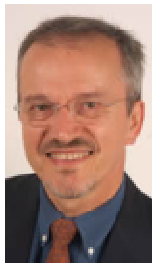


Gilbert BUTY, ALCATEL-LUCENT

Gilbert Buty joined Alcatel-Lucent in 1990. In his current position as Corporate Standards Manager in Bell Labs, he coordinates the Alcatel Lucent standardization experts active in the environmental domain.

Gilbert Buty is co-rapporteur for the ITU-T SG5 question on energy efficiency for ICT equipment and Chief-Editor of the Recommendation on the Methodology for environmental impact assessment of ICT within organizations. This methodology intends to assess the energy consumption and GHG emissions from ICT organizations or from ICT-related activities within non-ICT organizations. Gilbert Buty is a member of the Green Policy and Standards working group (GPas WG) in GreenTouch and represents Alcatel Lucent in GeSI (Global e-Sustainability

Initiative) where he is co-chairing the Energy Efficiency Working Group.



Flavio Cucchiatti, Telecom Italia

Flavio Cucchiatti, within Telecom Italia R&D Center in Turin (Italy,) is managing the innovation projects on infrastructural and powering solutions for the Next Generation Network. From 1988 is active in standardization activities on access network technologies and conformance testing. Is currently member of many standardization groups acting on Energy Efficiency and Sustainability for ICT and Network infrastructure. Cooperates with EC and Energy Star on Energy efficiency initiatives.

Co-chairs the GeSI-EEWG (Energy Efficiency Working Group) where worldwide ICT service providers and vendors are working together towards energy efficiency .

Takes part to international and national study groups on optical fibre deployment in FTtx and Digital Divide scenarios. He is Board member of GeSI and of CEI, the Italian standardization institution in the electrical, electronic and telecommunications area.



Jérôme DAVID, THOMSON-BROADCAST

Jerome DAVID holds a Masters degree from INPG and joined Thomson, to work on OFDM, first SFDMA systems and SFN deployment and on standardization in DVB, Media FLO , ATSC forum. He delivered an important contribution on peak reduction that has been endorsed by DVB-T2 standard. He chaired the DVB-T2-MI task force in 2008, defining the contribution link between head-end and transmission site. As project leader for Thomson, he coordinates the R & D team, that contributed to the UK DVB-T2 network for the 2010 FIFA World Cup and to huge energy

savings in transmission systems. Since mid of 2010 he is currently Strategic Marketing Manager for Thomson-Broadcast.



Andrea DI GIGLIO, Telecom Italia, STRONGEST

Andrea Di Giglio received a Dr. Ing. degree in Electronic Engineering from the University of Pisa (Italy) and the Engineering License degree from Scuola S. Anna. He joined Telecom Italia Lab (formerly CSELT), that is the Telecom Italia Group's Company for study, research, experimentation and qualification in the field of telecommunications and information technology. The fields of his researches are addressed toward internet security, Storage Area Networks and Optical Networks Architecture. He was involved in EURESCOM and European Projects on IP over optical networks; he was involved in the architectural WorkPackage of the IST Project Nobel (Phase 1 and 2) 'Next generation Optical networks for Broadband European Leadership' as WorkPackage leader and ICT STRONGEST as project coordinator.



Per DÖFNÄS – Ericsson

Per Döfnäs has worked for Ericsson since 1979, working with product specifications and verification for compliance with applicable technical regulations worldwide. He has also worked with international standardization in the area of electromagnetic compatibility and speech transmission quality, mostly in ETSI and ITU-T.

For more than 15 years Per Döfnäs has been engaged in initiatives related to the shaping of product regulation for the electrical/electronics sector. Since 8 years he is responsible for general matters related to Technical Regulations within the Ericsson Group. This nowadays mostly relates to environmental legislation and policy initiatives for eco-design, hazardous substances and e-waste for the ICT sector.



Massimo ENRICO, ECONET Project, Ericsson

Eng. Massimo Enrico joined Ericsson in 2006 and he is currently working for strategic marketing and communications for Ericsson's networks portfolio. He is also defining and driving innovation projects in the area of Energy Efficiency and Smart City. He is Ericsson responsible for ECONET project. Prior to these positions, he worked in Product Management in different senior roles developing worldwide experience in Sales & Marketing and Research & Innovation. He began his career at Marconi, starting from system design and covering increasing senior positions, until the appointment as Deputy director of EMEA Sales & Marketing Customer Engineering.



Marco Ajmone MARSAN, Politecnico di Torino

Marco Ajmone Marsan is Professor of Telecommunications at the Politecnico di Torino in Italy, and Chief Researcher at the Institute IMDEA Networks in Spain. He was the Vice-Rector for Research, Innovation and Technology Transfer at the Politecnico di Torino from 2005 to 2009. From 2002 to 2007 he was the Director of the Institute for Electronics, Information and Telecommunications Engineering of the National Research Council. He is the chair of the Italian Group of Telecommunications Professors, and the Italian Delegate in the ERC Committee of the 7th Framework Programme of the EU. His main present research interest is in energy-efficient networking, and in the applications of ICT for energy efficiency.



Vasilis FRIDERIKOS, King's College London

Dr Vasilis Friderikos teach and research at the Centre for Telecommunications Research at King's College London (www.kcl.ac.uk) and he is based in London, UK. His research interests lie broadly within the closely overlapped areas of wireless networking, ubiquitous mobile computing, and architectural paradigms for the next generation Internet including Delay Tolerant Networks, with a specific focus in the areas of efficient resource and mobility management algorithms and protocols in heterogeneous wireless networks.



Erik FRIMAN, Ericsson

Erik Friman has an engineering background and is active in Energy Efficiency standardization activities in ETSI, GISFI and previously also in CCSA and ATIS for EE measurement standards. The focus is on radio base station nodes and more recently on EE measurements of networks. He is doing that together with future network architecture studies for radio access networks. His previous experience includes traffic trend studies of mobile networks and traffic optimization functionalities. He is also contributing to several patents in the energy efficiency area for radio base stations and radio access networks.



Per HOLMBERG, Ericsson

Per is a Senior Specialist and Computer Architect at Ericsson working with research and development of processor platforms for communication infrastructure products. The current focus is on solutions for processing performance and efficiency. He has 20+ years of experience covering HW, SW and system level in architecting processors and computers for high performance and high availability systems for use in embedded systems and distributed systems including both connectivity and control plane platforms for communication equipment.



Shashidhar KRISHNAMURTHY, HCL Technologies

Shashidhar Krishnamurthy is Associate Vice President, Engineering and R&D Services (ERS), HCL Technologies and has been focusing on Product Engineering in Telecom and Convergence technologies for last 21 years in HCL. He has designed and developed several products in enterprise network, wireless and consumer electronics space and has held several leadership positions in Delivery, Business Development and Solution Strategy in HCL ERS Group. His current focus is to define Strategic Business Service Lines within ERS and create new technology solutions and IPs that will drive the Convergence, M2M, IPv6 and Sustainability market for next few years. Holding an Engineering Degree in Electronics and Communications from the University of Mysore, has multiple patents in his name, he is author or co-author of over 23+ papers, magazine articles and conference presentations, and a frequent speaker and panelist at industry events.



Andrea LEGNANI, IEC / TC111 and CENELECT TC 111X Secretary

Andrea Legnani (born in Milano, Italy, on 28/05/1966, Degree in Electronic Engineering at Politecnico of Milano in 1995) is the Secretary of the IEC/TC 111 "Environmental standardization for electrical and electronic products and systems" since its creation (October 2004) and, at European level, is also the Secretary of the CENELECT/TC 111X "Environment" since its creation (July 2004). Since 2008 he is working at the Italian Standardization Body CEI (comitato Elettrotecnico Italiano) as Technical Secretary in several Technical Committees especially in the environmental and electric road mobility field. He is also Health and Safety responsible manager.

From 1995 to 2007 he has been working in ANIE Federation (Italian Federation of Electrotechnical and Electronic Industries), as Technical Standardization Affairs Officer, expert of New Approach European Directives (EMC, LVD, etc.) and related standards, manager responsible for quality and environmental management systems and environmental product assessment standards (ISO 9000, ISO 14000).

He is reporter in workshops and author of several articles in technical magazines concerning environmental/technical standardization, electric road mobility and European Directives.



Jens MALMODIN, Ericsson

Jens Malmodin joined Ericsson in 1995 to work with environmental issues and life cycle assessments at the radio base station basic technology research unit. Life cycle assessments and energy efficiency has always been an important part of his work and he is now active in standardization activities. Early on, he also got the responsibility to build up Ericsson's environmental data reporting system for which he is still responsible for. Between 2003 and 2006 he changed career partly to specifically work with system design and energy efficiency for WCDMA radio base stations. From 2007, he is a member of the Sustainability Research Team at Ericsson

Research. Jens holds an MSc in material engineering from the Royal Institute of Technology (KTH), Stockholm, Sweden.



Simone MOROSI, University of Florence

Simone Morosi was born in Florence, Italy, in 1968. He received the Dr. Ing. Degree in Electronics Engineering in 1996 and the Ph. D. Degree in Information and Telecommunication Engineering in 2000, both from the University of Florence, Italy.

Since 1999 he has been a researcher of the Italian Interuniversity Consortium for Telecommunications (CNIT). Since 2000 he has been with the Department of Electronics and Telecommunications of the University of Florence: currently he is an Assistant Professor.

His present research interests involve Green ICT and Energy-efficient Communication Networks, Communications for Institutional Applications, Future Wireless Communication Systems. He participated in the European Network of Excellence NEXWAY (Network of EXcellence in Wireless Application and technology), NEWCOM (Network of Excellence in Wireless COMmunications) and CRUISE (CReating Ubiquitous Intelligent Sensing Environments).



Ulrike NUSCHELER, M.A., European Commission

Ulrike started to work 1999 in the European Parliament as parliamentary assistant and ended up with energy policy. She joined the German energy agency (dena) as European Affairs Manager in 2003. Back to Brussels, she worked for the Executive Agency for Competitiveness and Innovation/Intelligent Energy Europe as project officer in the field of renewable energy. In 2011 she joined DG ENERGY's energy efficiency unit. She is a member of the eco-design team and develops/follows up eco-design implementing measures to improve the environmental performance of energy related products. Up-coming measures concern for example computers and networked

standby.



Tim O'FARRELL, University of Sheffield

Tim holds a Chair in Wireless Communication in the Department of Electronic & Electrical Engineering at the University of Sheffield, Sheffield, UK. His research interests encompass physical layer and resource management techniques for wireless communication systems in particular mobile cellular, wireless LAN and wireless optical systems. In his field, Tim has led 17 major research projects, frequently with industry, as principal investigator. He has published over 200 technical papers including 8 granted patents and has participated in standards, consultancies and expert witness activities within the wireless sector. Presently, Tim is the Academic Coordinator of

the Green Radio project jointly sponsored by the UK's Virtual Centre of Excellence in Mobile and Personal Communications (Mobile VCE) and the UK's Engineering and Physical Sciences Research Council (EPSRC). Tim is a Chartered Engineer and a member of the IET and IEEE.



Magnuss OLSSON, Ericsson

Magnus Olsson received his M.Sc. degree in Engineering Physics from Uppsala University in 2000. Since 2000 he has been with Ericsson AB, Stockholm, Sweden, working on radio access research, where he currently holds a Senior Researcher position. His research interests are especially on advanced antenna systems, interference rejection techniques, and energy efficiency of radio access networks. He has authored and co-authored over 25 international journal and conference papers, and has been involved in various European research projects such as WINNER, WINNER II, WINNER+ and EARTH. Since August 2011 he is the Technical Manager of the EARTH project.


Emmanuel ORBAN, Alpha Technologies SA

Emmanuel Orban has a master degree in applied physics engineering from the Ecole Polytechnique of the University of Louvain La Neuve in Belgium. After a few years in research in thin film photovoltaic cells and ceramic materials for electronic applications, he spent most of his career in energy for networks in Europe and North America. He is the author of several scientific papers on the characterisation of thin films, photovoltaic cells based on heterojunctions and energy and is, now, director of marketing at Alpha Technologies SA. As part as his tasks, Emmanuel is leading the customer TCO reduction team for which network environmental control

is a major driver.


Radovan SERNEC, Telekom Slovenije

Radovan Serneec, PhD is new technologies strategist within R&D department in Telekom Slovenije, d.d. He is in charge of looking after new technologies and solutions, is also a team leader for innovation management and working on several renewable energy and telecommunications projects EU wide. Prior to that he worked at the Ministry of Science and Technology of Slovenia and held various R&D positions in several private companies in the fields of telecommunications and process control.


Jonas SUNDBORG, ERICSSON

Jonas SUNDBORG has over 25 years experience from the telecommunications industry. He received his Master of Science (Dipl. Ing.) in Telecommunications (with honor) from the Helsinki University of Technology, Finland, 1993.

From 1986 he has been working with the Ericsson Group - a world-leading provider of telecommunications equipment and related services to mobile and fixed network operators globally. In his current position as Director of Standardization and Technical Regulation at the Ericsson Group Headquarter, office of the Chief Technology Officer, he is responsible for the Ericsson internal and external Standardization and Technical Regulation activities.

Since 2005, he is a member of the ETSI Board (European Telecommunication Standards Institute) and is currently the Chairman of the Board. Before that he has been Vice Chairman of the Board and Chairman of the Operational Co-ordination Group (OCG). He has been champion for the ETSI Board strategic topic Green Agenda for several years.

He is Chairman of the Information Technology Standardization (ITS), which is a Swedish national standardization organization. He is Vice Chairman of the Swedish Standardization Association


Jonas SVENNEBRING, Freescale Semiconductor

He holds a MSc in Physics from University of Stockholm and is a senior application specialist at Freescale

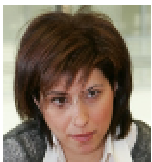
Semiconductors working with high-end multicore devices for wireless telecom infrastructure, primarily the WCDMA/LTE RAN, furthermore he is a Freescale representative to 3GPP.

By studying the specific application use-cases he is trying to optimize hardware / software partitioning through

device architecture tuning to create the best solutions for next generation telecom systems, pushing the limits on performance as well as performance per watt.


Sibel TOMBAZ, Royal Institute of Technology, KTH

SIBEL TOMBAZ (sibel@kth.se) received her B.S. (with highest honors) degree in electrical and electronics engineering from Istanbul University , Istanbul, Turkey, in 2006. In January 2009, she got her M.S in electrical and electronics engineering from the same university. From March to October 2008, she was a visiting scholar at WCSP group, University of South Florida, Tampa under the guidance of Prof. Huseyin Arslan. She is currently pursuing her Ph.D degree at the Communication Systems department, Royal Institute of Technology, KTH, Stockholm. Her research interests include, energy efficiency improvements of wireless networks.


Anna TZANAKAKI, Athens Information technology

Dr. Anna Tzanakaki is an Associate Professor at the Athens Information Technology (AIT), where she is leading the Network Design and Services (NDS) research group. She also serves as the program director of the Master in Information and Telecommunications Technologies (MSITT) and is an adjunct faculty member of the Information Networking Institute of Carnegie Mellon University, USA. She has obtained a BSc degree from the University of Crete, Greece, an MSc and a PhD both from the University of Essex, UK. She was employed by Essex as a Senior Research

Officer and was a co-founder and a senior engineer of ilotron ltd, a high-technology spin-off from the University of Essex, involved in the design and development of optical network equipment. Following ilotron, Dr Tzanakaki joined Altamar Networks, a subsidiary of Ditech Communications, as a principal engineer responsible for optical architecture and system design. She is a co-author of over 130 publications in international journals and conferences. She is a co-inventor of 1 granted and 11 published patents. She is a senior member of the IEEE and a member of several Technical Program Committees of international scientific conferences. She has been a member of the scientific advisory board of the "European Coordinated Research on Long Term Challenges in Information

and Communication Sciences & Technologies" (CHIST-ERA ERANET) and is serving as a technical expert the EU and the "Engineering and Physical Sciences Research Council" (EPSRC) UK Peer Review College. Her research interests include network architectures, technologies and protocols in support of a sustainable and dependable Future Internet.

**Luca VALCARENGHI, Scuola Superiore Sant'Anna**

Luca Valcarengi holds a Laurea degree in Electronics Engineering (1997) from the Politecnico di Torino, Italy, a M.S. in Electrical Engineering (1999), and a Ph.D. in Electrical Engineering-Telecommunications (2001) both from the University of Texas at Dallas (UTD). Between January 2002 and August 2002 he was Research Associate of the Optical Networking Advanced Research (OpNeAR) Lab of the University of Texas at Dallas Erik Jonsson School of EE/CS. Since September 2002 he is Assistant Professor at the Scuola Superiore

Sant'Anna of University Studies and Doctoral Research of Pisa, Italy.

Dr. Valcarengi published more than 100 papers in International Journals and Conference Proceedings and actively participated in the TPC of Globecom and ICC Optical Network and System Symposium and Next-Generation Networking & Internet Symposium.

His main research interests are Optical Networks design, analysis, and optimization; Artificial Intelligence optimization techniques; Communication Networks reliability; IP over WDM networking; QoS in network infrastructures for Grid computing; fixed and mobile network integration; fixed network backhauling for mobile networks; energy efficiency in communications networks.

**Stuart D. Walker, Essex University**

Stuart D. Walker was born in Dover, U.K in 1952. He received the B.Sc. (Hons) degree in physics from Manchester University, Manchester, U.K., in 1973, the M.Sc. degree in telecommunications systems and Ph.D. degree in electronics from Essex University, Colchester, U.K., in 1975 and 1981 respectively. From 1981-82, he was a post-doctoral research assistant at Essex University. From 1982-87, he was a research scientist at BT Research Lab, and from 1987-88 he was promoted to Group Leader in Submarine Systems Design. He joined Essex University in 1988 as a Senior Lecturer, and was promoted to Reader in 2002 and to Full Professor in 2004. At Essex University, he manages a laboratory concerned with all-aspects of Access Networks. He is also Director of Graduate Studies.

Prof. Walker been involved in many EPSRC and European Union research projects over the years, recent examples being: e-Photon-I and II, BONE, MUSE-I and II, UROOF, STRONGEST, FIVER and OASE. He has published over 250 peer-reviewed journal and conference papers and holds 4 patents.

He has served as a reviewer for IET, IEEE, IOP and OSA Journals, as well as Dutch, Polish, American Government and UK EPSRC research proposals. He is currently an invited adviser to Essex County and Colchester Borough Councils on wireless issues.

His current work with the FIVER Framework 7 project has involved him with LTE, WiMAX, WiFi, 60 GHz and UWB wireless systems. He has established a well-equipped laboratory to support this activity.

**Henry ML WONG, Intel Corporation**

Henry ML Wong is a senior power technologist at Intel Corporation, enabling and evangelizing energy efficient power and thermal technologies. Mr. Wong is a 27+ year Intel veteran, with over 16 years of industry experience in digital and mixed signal processor development, including the first Intel® Mobile Chipset (360SL), the first mobile Intel® Pentium® Processor (P54LM/P55C), and advanced mobile package technologies. Mr. Wong then spent 5+ years leading technology development and enablement of high-efficiency and high-reliability power-conversion techniques, component thermal solutions, and system clocking networks for the Intel® Itanium® and Intel® Xeon® processor platforms. Mr. Wong authored and enabled key technologies such as Adaptive

Voltage Positioning, Modular Direct Power Connect, Server Component High Impingement Mode Cooling, and Programmable Geared Differential Clocking for Multi-Time Domain Architectures. For the past 7 years, Mr. Wong has been leading Intel's support of the enterprise industry energy-efficiency initiatives, technologies, and policies with organizations such as the US EPA, US DOE, Lawrence Berkley National Labs, and The Green Grid. Mr. Wong has represented IT industry's technical positions to policy organizations such as the US EPA, Japan METI, California's Energy Commission, Korea's KEMCO, and China's standardization bodies. Mr. Wong has also coordinated technical assessment and policy positions between industry organizations such as IT Industry Council, the Green Grid, Climate Savers Computing Initiative, Storage and Networking Industry Association, and SPEC. Mr. Wong is a 1984 graduate of Yale University with a degree in semiconductor physics.



Ahmed ZEDDAMI, France Telecom Orange, Chairman ITU-T SG5

Ahmed ZEDDAMI received Doctor of Research degree in electronics and the Ph.D. degree in electromagnetic both from the University of Lille, France in 1980 and 1988, respectively. From 1979 to 1982, he was an assistant Professor of electronics at Lille I University. Since 1982, he has been employed at Research and Development Division of France Telecom in Lannion where he was until 2009 head of a Research and Development Unit dealing with Electromagnetic Compatibility (EMC). He conducted research on Lightning Protection and EMC for broadband systems of communications. He is involved in several Technical Committees of international standardisation bodies dealing with Electromagnetic Compatibility (ITU-T, IEC, and CENELEC).

Dr Zeddami is the author and co-author of about 100 scientific papers, published in reviewed journals and international conferences. He participated to the production of books related to EMC, including a reference book published in 2007. Since 2008 he is Senior Standardisation Manager within France Telecom Orange and he currently Chairman of Study Group 5 of ITU-T 'Environment and Climatic Change'. He is also involved in Commission E 'Electromagnetic Noise and Interference' of International Union of Radio Science (URSI).

Dr. Zeddami is member of many scientific committees of national and international conferences where he held chairing positions and in particular, he was the General Co-chair of IEEE ISPLC 2011.

