

Future Networks Technologies Workshop



Speakers' Biographies

**ETSI Headquarters
Sophia Antipolis**

**Bernard Barani, European Commission**

Bernard Barani graduated as an engineer from the École Nationale Supérieure des Télécommunications de Bretagne in 1982. He then served as system communications engineer first in industry and then with the European Space Agency where he held responsibilities for novel satcom programmes definition and implementation. Since October 94, he has been with the DG INFSO of the European Commission and has held several head of sectors positions in the fields of research for wireless and audio visual systems. He is currently with the "Converged Networks and Services" Directorate of DG INFSO, covering European research in the fields of network, media, software and RFID/enterprise technologies. In his position of assistant to the Director, he is responsible for overall research and policy co-ordination of the Directorate, which is integrated through the "Future Internet" research theme.

**Marcus Brunner, Network Laboratories of NEC Europe Ltd**

Dr. Marcus Brunner is manager and chief researcher at the Network Laboratories of NEC Europe Ltd. in Heidelberg, Germany. He received his Ph.D. from the Swiss Federal Institute of Technology (ETH Zurich), while working in the Computer Engineering and Networks Laboratory (TIK) of the Electrical Engineering Department in 1999. He got his M.S. in Computer Science from ETH Zurich in 1994. Aside from the involvement in different national and international projects, his primary research interests include network architectures (Internet, fixed and mobile), programmability in networks, cloud computing, network and service management. He was involved in various research activities starting with ATM, IP, and collaborative workspaces. Currently, he is involved in the various Future Internet activities including the 4Ward, Trilogy, and OpenFlow projects. He is Future Internet Assemble (FIA) caretaker. He has published over 60 research articles (<http://www.marcusbrunner.eu/>).

**Jorge Carapinha, PT Inovação**

Jorge Carapinha graduated in Electrical and Computer Engineering at the University of Coimbra in 1984 and received an MSc in Electronics and Telecommunications from the University of Aveiro in 1998. Since 1985 he has been with PT Inovação (formerly CET). He has worked in several fields including conformance testing, Virtual Private Networks, Quality of Service and backbone networks and technologies. He has a long record of participation in international collaborative research projects, namely in the framework of European programmes such as IST, ACTS, CTS, TEN-ISDN and Eurescom. Currently his work is mainly oriented to Future Internet topics, with a special focus on Network Virtualisation. He has authored/co-authored several papers published in technical journals or presented in international conferences.

**Nicola Ciulli, Nextworks**

Nicola Ciulli, head of R&D activities at Nextworks, received the Laurea degree "cum laude" in Telecommunication Engineering in 1997 at the University of Pisa, and the Degree Diploma at SSSUP S. Anna. His main research activities concern the architectural aspects of Control and Management Planes and of Traffic Control in next generation packet networks: Quality of Service (QoS) provision over the Internet and its interworking with Asynchronous Transfer Mode (ATM), Differentiated Services (DiffServ), MPLS and their integration. A special focus of his research and industrial activity is on GMPLS control and management planes architectures for SDH, WDM networks and Transport Ethernet services. He participated in several FP5, FP6 and FP7 projects (recent and current ones include PHOSPHORUS, GEYSERS, ETICS and MAINS), in research activities funded by the Italian Ministry for Research and Education (MIUR), and in industrial projects (e.g. Marconi ASTN/GMPLS project, where he coordinated the activities of Nextworks; Alcatel projects on 4G mixed packet/TDM switches and T-MPLS).

**Ángel Ferreiro, Telefonica I+D**

Ángel Ferreiro was graduated in Physics in 1981 (Complutense University, Madrid) and has given lectures since then at different Spanish universities (UPM, UC3M, UAM) while working in several high technology companies such as IBM and AT&T. In 1991 he joined Telefonica I+D after spending four years in the LETI (Grenoble, France) to develop his thesis (PhD degree obtained in 1989). Dr. Ferreiro has cooperated with several research groups in Spain and abroad, has published over twenty scientific papers: In the Journal of Magnetism & Magnetic Materials, Journal of Physics E, International Journal of Mathematics and Education Science Technology, American Journal of Physics, Journal of Lightwave Technology and International Journal Of Computer Networks & Communications. He has also presented works in more than twenty international meetings and workshops and he has recently contributed, as author, to the book "Core and Metro Networks" (John Wiley & Sons, 2010). Contributions to seminars, a pair of patents and few technical notes complete his CV. Dr. Ferreiro has been working in EU-funded projects since more than 25 years about Optoelectronics, network design and NGN development, coordinating techno-economic activities in (EU funded) NOBEL project and tools for bottleneck analysis in the (CELTIC) TRAMMS project. Currently he is the chairman of the ETSI ISG "Measurement Ontology for IP traffic" and also cooperates actively in the MANA group of Future Internet Assembly.



Andreas Foglar, LANTIQ

Andreas Foglar joined Siemens Public Network division in 1986 with a diploma in physics. In the central laboratories he was involved in the first broadband switches based on ATM. In 1994 Andreas moved to Siemens Semiconductor division as system engineer for broadband devices. At that time he was involved in standardization and became member of the Medea+ steering group applications. In 2000 the semiconductor division was carved out of Siemens as Infineon. Since that time Andreas manages innovation and funding projects. He led the Medea+ projects UniAccess and PlaNetS and was company representative in several FP6 and FP7 projects, as well as national projects. Andreas holds several patents and has authored and co-authored several papers about QoS. Now Andreas is working in the new founded company LANTIQ, a carve-out of Infineon.



Joao Girao, NEC Laboratories Europe

Joao Girao received his diploma in Computer and Telematics from the University of Aveiro, Portugal, in 2003. He has been with NEC Laboratories Europe in Heidelberg since then, currently as Project Manager in the Security group. As the Identity and Access Management team leader he is responsible for co-ordinating the R&D projects in the team and driving these technologies in the European research labs and towards NEC business. He has represented NEC in several standards development organisations, such as the ITU-T, ETSI and Liberty Alliance/Kantara and is an advisor to NEC's overall standardization strategy for these topics. He is currently a rapporteur in ETSI ISG on Identity and access management for Networks and Services. In the past he has worked in security topics related to mobility and ad-hoc networks, and his current focus is on applying identity management concepts to both services and the network.



Mizuhiko Hosokawa, NICT

Mizuhiko Hosokawa received his Ph. D from Tohoku University in 1988. From 1990 to the present, he has been a researcher at National Institute of Information and Communications Technology (formerly, Communications Research Laboratory), Japan. He appointed to a Group Leader of New Generation Network Research Center Space-Time Standards Group in 2006 and a Managing Director of Strategic Planning Department in 2008 respectively. Since April 2009, he is Executive Director of New Generation Network Research Center.



Maurice Israel, Thales Communications

Maurice Israel has an Engineering Degree in Networks from ENSI-Caen. After having worked for 2 years in mission-critical information system, he joined Thales in 2001. He has experience in network supervision, mission critical system management, and software development. He has developed self-healing and self-configuring distributed systems, mainly based on ontology development and inference engines. Last experience was ICT-DESEREC project co-ordinator. This project, that was dealing with large and mission critical Information System management has defined innovative self-organisation processes. He's now in charge of the "Autonomic and Semantic" team in the TAI laboratory of Thales Communications.



Deepak Kataria, HCL Technologies

Deepak Kataria serves as the Director of Systems Solutions Consulting for the Networking and Telecom practice at HCL America. He consults on the development of forward-looking networking solution propositions and also engages in due diligence of product line roadmap features and functions mapping them to trends, competitive landscape and growth potential. Prior to his current role, he served as the Director of Advanced System Prototyping for the Network and Storage Products Group at LSI Corporation. His responsibilities included the prototype development of advanced networking systems for both wireless and wireline applications. Some of the initiatives included video networking and distribution, femto cells and the utilization of regex and xtm engines for IPS/IDS, anti-virus and xml threat management solutions. He also supported the LSI Business Service Gateway initiatives with various OEMs. Prior to this position, Deepak spent more than 17 years serving in various capacities as a network consultant, systems engineer, systems architect, systems applications manager, and systems integration manager during his tenure with AT&T Bell Labs, Lucent Technologies, Agere Systems, and LSI. The scope of technologies covered during this career include ATM/IP/MPLS networks, high-speed switching and routing, metro Ethernet, wireless access (node B network interface, RNC), wireline access (DSLAM, MSAN), network security (IPS/IDS, DoS), hybrid P2P (peer-to-peer), home networking, residential gateways, small/medium business (office-in-a-box), fixed-mobile convergence and storage area networking. A noted industry expert, he is the holder of 5 US patents in networking, with 6 others in pending status. His work has been published in numerous publications including trade magazines and journals, has presented at numerous industry conferences, and currently serves as Industry Co-Chair for the IEEE ANTS and ICCBN conferences. He also serves on the Industrial Advisory Board for an NSF-funded project NSF 0531507 at University of Texas A&M on wireless sensor networks along with TI and Cypress Semiconductor. Deepak holds a B.S. in Electronics and Communications Engineering, and M.S. and Ph.D. degrees in Electrical Engineering from Rutgers University.



Eugen Mikoczy, Slovak Telekom

Eugen Mikoczy received his engineer degree (MSc.) in Informatics from the Slovak University of Technology in Bratislava (STUBA) in 2002. He is actually a Senior Designer responsible for design and architecture evolution of the NGN application and service control layer in Slovak Telekom (including IPTV, future IMS based NGN, and NGN based IPTV standardization). As senior specialist is working on innovation and future evolution of multimedia services (e.g. converged architectures and applications). He is the representative of Slovak Telekom in ITU-T (SG13 -NGN) and ETSI TISPAN. He has been actively contributing and participating on the ETSI TISPAN NGN Release 2 and 3 standardization of both TISPAN NGN based IPTV architectures (IMS based IPTV, NGN Integrated IPTV) for the last 3 years. He is rapportuer for TISPAN Release 3 NGN integrated IPTV stage 3 work item. Eugen Mikoczy is member of IEEE, IEEE Communication Society, ACM (SIGCOM & SIGMM), and ICST.



Corrado Moiso, Telecom Italia Lab

received his M.Sc degree "cum laude" in Computer Science at University of Torino in 1984; in the same year he joined Telecom Italia Lab (formerly CSELT). In 1984-1991, he studied parallel logic and functional languages. In 1990-1991 he investigated the applicability of Constraint Programming to traffic management. In 1990-1994, he has been investigated object-oriented distributed platforms and their application to TMN. Since 1994, he has been investigating the introduction of IT in network intelligence: he designed and experimented service platforms based on TINA, investigated Telco/Internet convergence, contributed to Parlay standardization for service exposure, and analyzed SOA-based SDP platforms. Currently, in the context of the long term research activities of Telecom Italia Future Centre, he is studying the adoption in Telco infrastructures of decentralized architectures and autonomic technologies. He joined projects founded by EC and Eurescom. He is author of several papers, and he has been awarded seven patents on services systems and methods.



Ultan Mulligan, ETSI Secretariat

Mr. Ultan Mulligan is Director of Strategy and New Initiatives in the ETSI Secretariat. His role includes facilitating the development of any new standardisation or pre-standardisation activities at ETSI. Previously in the ETSI Protocol and Testing Competence Centre (PTCC), he managed OSA/Parlay standardisation activities for ETSI and was engaged in developing ETSI's IMS Interoperability initiative. He has managed specification and testing projects at ETSI in fields as diverse as X.25, DECT, V5, IN, OSA, and DSRC radio (road tolling). He has participated in most ETSI committees, in ITU-T, CEN, and groups such as Bluetooth SIG and Parlay. Mr Mulligan has a B. Eng. from Dublin City University and an Executive MBA from the ESCP-EAP in

Paris.



Giorgio Nunzi, NEC Europe Ltd

Giorgio Nunzi is a Senior Researcher at the NEC Laboratories Europe in Heidelberg, Germany. He has extensively worked in the field of mobile networks, in the area of management of Radio Access Networks (RAN) and optical networks. Besides participation to 3GPP standards, he has extensively published papers in the area of self-management and served as TPC member or chair of different conferences in the field (IM'07, NOMS'08, IM'09, MANWEEK'09). After the participation to the FP6 project Ambient Networks, he had a leading role in the FP7 Project 4WARD, where he has been coordinator of the workpackage on in-network management for the Future Internet. His research interests include automation of network management, resource optimization and service integration, and green communication.



Karsten Oberle, Alcatel-Lucent, Bells Labs, ETSI TC GRID VICE-CHAIR

Karsten Oberle, joint in 1998 the Alcatel Research Centre in Stuttgart.

Currently he is part of the Bell Labs Service Infrastructure research department in Stuttgart. The Service Infrastructure research domain invents, analyzes, and builds disruptive technologies – related to distributed communications and computing infrastructures – that provide a superior foundation for Alcatel-Lucent's application enablement strategy. He is member of the Alcatel-Lucent Technical Academy.

Furthermore he is coordinating the technical work of Bell Labs as well as holding the position of a Work Package leader on Intelligent Networking (Service Oriented Infrastructure) inside the European funded FP7 Project IRMOS. Accompanying he was an active member for two years (2006 & 2007) of ETSI TC Tispan standardization, with the focus on Fixed-Mobile Convergence (FMC) and IP-TV. Since end of 2007 he is an active member of ETSI TC Grid standardization where since June 2008 he holds the position of the Vice-Chairman.



Bernard Sales, Alcatel-Lucent

Bernard Sales is Director for Fixed Carrier Infrastructure Standardisation in the Alcatel-Lucent Corporate Standardisation department. He is also part-time Professor at the Université Libre de Bruxelles (ULB). He graduated from the ULB in 1985 with a Computer Science M.S. Degree. He started his professional career in the Laboratoire d'Informatique Theorique of the ULB as Assistant-Professor. He next joined the Service Telematique et Communication at ULB where for several years he led a research team dealing with Internet architecture and protocols design. In this context, he was actively contributing to the design of the first generations for the pan-European academic data network that finally contributed to the introduction of the Internet in Europe. In 1996, he joined Alcatel as Senior Researcher and Advisor. In 1999, he was appointed as Director of the Corporate Research Center, Network Architecture Department. Next, he moved to the Alcatel HQ where he was Advisor to the Research and Innovation VP, Director for Alcatel Standardisation and member of the CTO staff for several years.

He has had 35 technical publications in international journals and conferences regarding data communication over satellite, ATM and Internet routing, protocol design, protocol verification, network interconnection, network restoration and network management. He was actively contributing to several standardisation bodies including EWOS, ISO/IEC, ITU-T, ECMA, ETSI, DSLF, ATMF and IETF. He is (co-)author of +/- 150 standardisation contributions, including two IETF RFCs.



Xavier Sanchez Loro, Technical University of Catalonia (UPC)

Xavier Sanchez Loro received his M.S. degree in Telecommunications Engineering from Technical University of Catalonia (UPC), Barcelona, Spain, in 2005. He is currently pursuing his Ph.D. at the Department of Telematics Engineering, at the mentioned university. His research interests include Future Internet architectures and resource characterization and context acquisition in ubiquitous computing.



Vinicio Vercellone, Telecom Italia R&D

Vinicio Vercellone received the Dr. Ing. degree in Electronic Engineering from Politecnico di Torino, Italy, in 1984. He joined Telecom Italia R&D, where he contributed to research projects in the area of fast packet switching and ATM node design and evaluation. He worked in the field of high performance IP routing and QoS support in packet networks. He was also in charge of teaching a course on Switching Systems at Politecnico di Torino. More recently, he contributed to several projects aiming at introducing innovative solutions in TI networks, where he gained significant expertise in IP, MPLS, MPLS VPN, Ethernet technologies and related services. Currently, he works in the Broadband Network Services

Innovation department. His interests are mainly in the area of the information-centric networking research for the evolution of the Internet.



Mick Wilson, Fujitsu

I attained a BSC (Honours) in Computer Science from North Staffordshire Polytechnic in 1976. After spending a number of years in the Defence industry working on air to surface missile simulation systems, I moved into the Telecommunication industry with Plessey Office Systems initially working on the development of office system development and private exchanges. I joined Plessey's strategic system team which was just beginning to be involved in European funded collaborative research programmes in Distributed Object Oriented Networking to which I contributed both as a technical adviser and project manager.

I was seconded to Plessey's R&D group at Roke Manor Research as part of their newly formed Telecommunication Research group leading research into Intelligent Networks and Network Management. I continued in this role when Siemens took over the company and worked closely with their development teams in Germany.

After 10 years with Roke Manor Research I moved to Fujitsu R & D Centre in 1998 working on 3G standardisation of Radio Access Networks (3GPP and Wimax). In 2004 I moved to Fujitsu Laboratories of Europe where as well as my standardisation responsibilities (LTE) I have been involved in a diverse range of networking technologies such as sensor networks, ad-hoc networks, autonomic networks. In addition I am responsible for collaboration activities with Europe including industrial chair for the M-VCE Flexible Networking programme.

Tania Zseby, Fraunhofer FOKUS

Dr. Tanja Zseby is head of the Competence Center Network Research (CC NET) at the Fraunhofer Institute FOKUS, Berlin. With her group she works in various national and international research projects in the area of Future Internet research with focus on novel concepts for network protection and network management. In addition, she is teaching Future Internet Technologies at Technical University Berlin. She is active in Internet standardization (IETF) since 2000 and co-author of six RFCs.