



Carles Antón-Haro, Centre Tecnologic de Telecomunicacions de Catalunya (CTTC)

Carles Antón-Haro (M'99-SM'03) received his Ph.D. degree in Telecommunications engineering from the Technical University of Catalonia (1998, cum-laude) and an MBA degree from EADA Business School (in 2014, honors). In 1999, he joined Ericsson Spain, where he participated in rollout projects of 2G and 3G mobile networks. Currently, he is with the Centre Tecnologic de Telecomunicacions de Catalunya (CTTC) as a Director of R&D Programs and Senior Researcher. His research interests are in the area of signal processing for communications, this including MIMO, opportunistic communications, M2M communications, and signal processing for Smart Grids. He has published more than 20 technical papers in IEEE journals as well as over 80 papers in international and national conferences. Dr. Anton-Haro is a Senior Member of the IEEE.



Ejder Bastug, CentraleSupélec

Ejder Bastug is a postdoctoral researcher in CentraleSupélec. He received his M.Sc. in Electronic Engineering from Fatih University, Istanbul, in 2012. He obtained his Ph.D. at CentraleSupélec in December 2015, under the guidance of Prof. Mérouane Debbah and Prof. Jean-Claude Belfiore. His Ph.D. topic was on distributed caching methods in small cell networks, whereas his main research interests are related to stochastic geometry and machine learning tools for wireless communications. He has been in the executive committee of IEEE WCNC 2014, organizing committee of IEEE BlackSeaCom 2015, technical programme committee of EuCNC 2015, and chair of several international workshops. He is in the organizing committee of one of the two flagship conferences of IEEE Communications Society: IEEE ICC 2017, to be held in Paris. Recently, he is the recipient of 2015 of the Supélec Foundation's Publication Prize, for his research activities during the course of his PhD.



Hermann Brand, ETSI

Hermann Brand received his PhD from the Technical University of Vienna. He started his professional carrier as a SW developer and system designer in telecommunications. He worked as a researcher in the semiconductor industry and managed several international R&D teams in mobile communications including researchers, system engineers and a group of delegates to different standards developing organizations. While his employer evolved into a diversified IT service provider, Dr. Brand also worked as technology manager, innovation manager and business developer.

Hermann Brand joined ETSI in 2008. At ETSI he has occupied several roles and was responsible for various institutional services, including new initiatives, partnership management, membership care, and meeting support. Currently Hermann Brand holds the position of Director Innovation. In his current role he facilitates the link between research and standardization and works closely with members and other stakeholders to setup new standardization activities, in particular ISGs (Industry Specification Groups).



Francisco da Silva – ETSI Board member, Huawei Technologies Sweden

Francisco is since 2009 a Senior Councillor for Standardization and Technical Regulation in Huawei Technologies Sweden. Before he had been with Portugal Telecom. Francisco was Chairman of ETSI General Assembly and of ETSI Board. He is now participating in the ETSI delegations of Project Coordination Group of 3GPP and in the Steering Committee of oneM2M. Before. He has also been Vice- Chairman of EURESCOM and member of the ETNO Steering Committee. One of his focus has for a long time been the road between Research and Standardization. Nowadays, in the ETSI Board, he focus also on issues like Open Source and IoT including the “Smart Appliances Initiative” and its Reference Ontology (SAREF), an EC project developed in collaboration with ETSI.



Marco Di Girolamo, HP Enterprise

Graduated in Electronics Engineering summa cum laude in November 1986. Almost 30 years of working experience in Italian and international Companies.

In HP (currently Hewlett Packard Enterprise) since 1993, covered positions in R&D (Development Engineer for hardcopy devices), Customer Care and IT Department. Since 2000, he is part of the Italy Innovation Centre, where served as senior technology specialist, solution architect and technical project manager in

different internal and external engagements. Since 2002, he is leading HPE Italy activities in European collaborative research and innovation. In this position, he coordinated and led multiple initiatives related to European programs, including FP5, FP6, FP7, eContent, CIP and Horizon 2020 project participations.

He was and is actively contributing to FP7 and Horizon 2020 projects in the areas of network virtualization and 5G network evolution (iJOIN, T-NOVA, 5GEx). He is also regularly active as paper author, member of TPCs and independent evaluator.



Julie Duclercq, Intel

She started her career at Motorola Semiconductors as RF designer for GSM, GPRS, EDGE products. She moved to Mitsubishi Telecommunications in 1999 at the very early days of 3G deployment in Japan and had the responsibility to create and manage a RF/HW direction in charge of dual mode 3G/2G mobile phones development. From 2004 to 2010, she took the responsibility of program management of complete chipsets development for 3G mobile phones at Texas Instruments in partnership with Ericsson Mobile Telecom. In 2010, Julie joined Infineon to manage numerous chipsets & platforms development programs for mobile phones and transitioned to Intel Mobile Communications in 2011 in the framework of an acquisition by Intel. She is currently product manager of the first Intel device integrating Communications Processor and Application Processor onto one IA based subsystem – integrating multiple communication/connectivity technologies (cellular, WIFI, BT LE, FM, AGPS, GLONASS..) - for Smartphones, Phablets and Tablets.



Frank H. P. Fitzek, Technische Universität Dresden

Frank H. P. Fitzek is a Professor and chair of the communication networks group at Technische Universität Dresden coordinating the 5G Lab Germany.

He received his diploma (Dipl.-Ing.) degree in electrical engineering from the University of Technology - Rheinisch-Westfälische Technische Hochschule (RWTH) - Aachen, Germany, in 1997 and his Ph.D. (Dr.-Ing.) in Electrical Engineering from the Technical University Berlin, Germany in 2002 and became Adjunct Professor at the University of Ferrara, Italy in the same year. In 2003 he joined Aalborg University as Associate Professor and later became Professor.

He co-founded several start-up companies starting with acticom GmbH in Berlin in 1999. He has visited various research institutes including Massachusetts Institute of Technology (MIT), VTT, and Arizona State University. In 2005 he won the YRP award for the work on MIMO MDC and received the Young Elite Researcher Award of Denmark. He was selected to receive the NOKIA Champion Award several times in a row from 2007 to 2011. In 2008 he was awarded the Nokia Achievement Award for his work on cooperative networks. In 2011 he received the SAPERE AUDE research grant from the Danish government and in 2012 he received the Vodafone Innovation price. In 2015 he was awarded the honorary degree "Doctor Honoris Causa" from Budapest University of Technology and Economy (BUTE).

His current research interests are in the areas of wireless and mobile 5G communication networks, mobile phone programming, network coding, cross layer as well as energy efficient protocol design and cooperative networking.



Jørgen Friis, Chief Service Officer, Services Division, ETSI

Since July 2012, Jørgen Friis has been CSO for ETSI Services Division. Responsibilities include Innovation support, Communication, Events and meeting support, External relations, Membership management and Third Party Services (Fora Hosting).

Jørgen Friis was before Vice President and Head of the ETSI Standards Enabling Services including the ETSI Centre for Testing and Interoperability (CTI).

Jørgen Friis served as elected Deputy Director-General of ETSI for eight years, from 2001 to 2009, where he was jointly responsible for general management of the ETSI Secretariat based in Sophia Antipolis, FRANCE.

Before joining ETSI Jørgen Friis held several executive positions in Tele Denmark.

Mr. Friis (born 1954), has a Bachelor of Science in Engineering from the Engineering College of Aarhus (Denmark), has a diploma in Organisation at Aarhus Business School. He followed Tele Denmark executive leadership MBA program at INSEAD Business School in Fontainebleau, France.

**Elena Giachino, University of Bologna**

Elena Giachino is Junior Assistant Professor at the Department of Computer Science and Engineering of the University of Bologna and member of the Research Team FOCUS, a joint laboratory between the University of Bologna and INRIA (France).

Her research activity covers the study of models and languages for the cloud with primitives for runtime handling of virtualized resources; static and dynamic verification of service code compliance with SLAs; and static program analysis ranging from resource consumption to deadlock freedom.

She has been involved in several European Projects. She is a National Committee Member ISO/IEC JTC1 SC38 (WG3 Cloud Computing).

**Andreea Gulacsi Gologan**

Born in 1977, Brasov, Romania

International Affairs and History, with a Minor in Communication Studies, Vesalius College, (Boston University) Business Communication and Public Relations, European Institute for Communication, (Brussels University).

After finishing her studies, Andreea Gulacsi worked for the European Voice (POLITICO) in Brussels. There she developed a marketing service strategy targeted at Eastern European countries which led to the increased outreach of European Voice.

In 2003 Andreea was recruited to develop the service sector standardization in CEN – European Committee for Standardization. At the beginning of 2010, following an internal reorganization, Andreea joined the Innovation Department of the CEN-CENELEC Management Centre.

Since 2011 Andreea has taken up the role of Research Integration Unit Manager, coordinating and facilitating the link between standardization and research, and provide support to the CEN and CENELEC members to engage with Horizon2020.

**Eduard Grasa, Fundacio i2CAT**

Dr. Eduard Grasa graduated in Telecommunication Engineering at the Technical University of Catalonia (2004) and got his Ph.D. (2009). In 2003 he joined the Optical Communications Group (GCO), where he did his thesis on network virtualisation in collaboration with i2CAT, which he joined in 2008. His current interests are focused on the Recursive Internetwork Architecture (RINA), a fundamental architecture for all forms of computer networking. He was the technical lead of the FP7 IRATI project, investigating RINA as an alternative to TCP/IP. He is the technical lead of FP7 PRISTINE, researching the programmability and distributed management aspects of RINA; and the WP5 leader of H2020 ARCFIRE, looking into large-scale RINA validation for converged network operators in 5G scenarios. Dr. Grasa is contributing to the recently established ETSI Industry Specification Group “Next Generation Protocols”, investigating how to re-architect the networking protocol stack beyond 2020 in order to move beyond current limitations.

**Thibaut Kleiner, Head of Unit "Network Technologies"
the European Commission, DG CONNECT**

Mr. Kleiner is heading unit E1 – Network Technologies - in DG CONNECT, European Commission. This unit is in charge of Research & Innovation in the area of wireless optical networks, network architectures, Internet of Things, Satcom and manages the 5G-PPP.

Thibaut has worked for the European Commission since 2001, occupying a number of positions, notably in the field of competition policy, where he was head of unit in charge of coordination, and member of Cabinet of Neelie Kroes in her first mandate where he was in charge of state aid and in her second mandate where he supervised Internet policies, data and cybersecurity. An economist by training, he holds a Master from HEC Paris and a PhD from the London School of Economics.

**Jamshid Khun-Jush, Qualcomm**

Dr. Khun-Jush received his BSc, Dipl.-Ing. and Dr.-Ing. Degrees in electrical engineering. Since 2003, he is with Qualcomm in Nuremberg, Germany. He was Qualcomm representative at 3GPP TSG RAN4 until 2008 and afterwards has been leading Qualcomm's overall ETSI activities. In this capacity, he coordinates activities of Qualcomm in different technical bodies. In addition, he is technical lead for Qualcomm's Spectrum Engineering work in international and regional organizations as CEPT/ECC, ITU-R, Asia-Pacific Wireless Group, etc. Before joining Qualcomm, he was with Ericsson Research, Corporate Unit in Nuremberg, Germany leading physical layer research and engineering work related to broadband wireless local area networks. He chaired ETSI Technical Committee BRAN from 1999 to 2002 and is an ETSI Board member since 2011. Dr. Khun-Jush has served during the last 20 years as a Technical Program Committee member of international conferences such as IEEE ICC, IEEE PIMRC, IEEE WCNC etc., has given lectures or organized panels at these conferences.

**Francesco Mauro, Telecom Italia**

Francesco Mauro was born in 1985 and he lived in Nola (Naples-Italy) until 2010. He studied Telecommunication Engineering at the University of Naples Federico II. Francesco obtains the degree in 2010 with a master thesis at the I3S laboratory of Sophia Antipolis (France) titled: "*Compressive Sampling Applied to the retina*". After the degree he attends the Master training "Innovation in Network and Services in TLC field" organized by Telecom Italia and Polytechnic of Turin. From 2012 to 2013 he works at ISMB of Turin in the IOT field and after he works for one year at Comesvil SpA of Naples where he works on ICT applied to the railway scope. Nowadays Francesco Mauro is working Telecom Italia (in Turin) since September 2014 within Wireless Access Innovation department. His work focuses on LTE system and on VRAN architecture.

**Marja Matinmikko, University of Oulu**

Marja Matinmikko (Marja.Matinmikko@ee.oulu.fi) received her M.Sc. degree in industrial engineering and management and D.Sc. degree in telecommunications engineering from the University of Oulu, Finland, in 2001 and 2012, respectively. She is currently finalizing her Ph.D. degree in industrial engineering and management. She joined Centre for Wireless Communications (CWC), University of Oulu, in January 2016. In 2001-2015 she was with VTT Technical Research Centre of Finland where she is led Cognitive Radio Trial Environment (CORE) projects on Licensed Shared Access (LSA) trials. She is an expert on spectrum sharing. She has actively participated in regulatory forums and published around 90 scientific papers. Currently she conducts multi-disciplinary research on 5G from business, regulatory, technology and trialing perspectives.

**Nikolaos Matskanis, CETIC**

Nikolaos Matskanis (Mr) is a Senior Research and Development Engineer for the Software and Services Department of CETIC. He holds a degree in Computer Science (Univ. of Crete) and an MSc in "Distributed and Multimedia Information Systems" (Heriot-Watt Univ. Edinburgh). His expertise lies in the areas of distributed and service oriented systems, knowledge engineering and semantic technologies. He currently works on the FP7 REDIRNET [<http://www.redirnet.eu>] and EVIDENCE [<http://www.evidenceproject.eu>] projects and was involved in PONTE [<http://ponte-project.eu>], I2MSteel, BREIN, Answer and other EC funded projects.

**Alain Mourad, InterDigital**

Dr Alain (AM) Mourad holds a PhD degree in electrical engineering from ENST Bretagne in France. He is currently leading the research and development of 5G wireless systems at InterDigital Europe Ltd in the UK. Prior to joining InterDigital, Alain was a Principal Engineer at Samsung Electronics R&D UK and previously a Senior Engineer at Mitsubishi Electric R&D Centre Europe. Throughout his career, he has been active in the research and standardization of recent wireless communication and broadcasting systems such as 4G (3GPP-LTE, WiMAX 16m), DVB-T2/NGH and ATSC 3.0. Alain has invented over 25 granted patents and submitted several other patent applications, and authored over 50 peer-reviewed scientific publications. He received the Inventor of the Year Award from Samsung Electronics R&D UK consecutively in 2012 and 2013.

**Markus Mueck, Intel**

Dr. Markus Mueck oversees Intel's technology development, standardization and partnerships in the field of spectrum sharing. In this capacity, he has contributed to standardization and regulatory efforts on various topics including spectrum sharing within numerous industry standards bodies, including ETSI, 3GPP, IEEE, the Wireless Innovation Forum and CEPT. Dr. Mueck is an adjunct professor of engineering at Macquarie University, Sydney, Australia, he acts as ETSI Board Member supported by INTEL and as general Chairman of ETSI RRS Technical Body (Software Radio and Cognitive Radio Standardization). He has earned engineering degrees from the University of Stuttgart, Germany and the Ecole Nationale Supérieure des Télécommunications (ENST) in Paris, France, as well as a doctorate degree of ENST in Communications.

**Olav Queseth, Ericsson**

Dr. Olav Queseth received his MSc in computer engineering in 1995 from Chalmers, Sweden and a PhD degree in 2005 from KTH, Sweden in Radio Communications Networks. He is currently working at Ericsson as a master researcher. He joined the 5G research project METIS in 2012. He was the project coordinator for METIS from April 2014 and has been the project coordinator for METIS-II since its beginning in mid-2015. He joined Ericsson in 2007 working with spectrum topics and radio performance issues in 3GPPP standardization in RAN4 and in the regulatory domain.

**Thomas Reibe, European Commission, DG CONNECT**

Thomas Reibe is working at the European Commission in DG CONNECT supporting ICT standardisation activities for research projects, EU policies, EU regulation and international cooperation. He has also more than 15 years' experience as project officer for Green Car Public Private Partnership, the micro- & nano-electronics and organic & large area electronics. Prior working for the European Commission he worked for the automotive and aeronautical industry. He graduated as aeronautical engineer from Technical University Stuttgart.

**Ahmad Rostami, Ericsson Research**

Ahmad Rostami is a senior researcher at Ericsson Research, where he leads activities in the area of programmable networks, and the orchestration across transport, radio and cloud technology domains for 5G. Before joining Ericsson in 2014, he worked at the Technical University of Berlin (TUB) as a senior researcher and lecturer. At the university, his areas of research covered software defined networking (SDN) technologies. He holds a Ph.D. from TUB and a M.Sc. from Tehran Polytechnic, both in Communication Networks.

**Michael Sharpe, ETSI**

Michael Sharpe received his PhD from the University of Essex in the UK. Since then, he has worked at BBC Television, Ford Motor Company and the UK Radiocommunications Agency before joining ETSI in 1995. At ETSI he has occupied several roles, including Vice-President of ETSI Standardisation Projects, Director of Technical Strategy and most recently Director of Spectrum and Equipment Regulation.

In his current role, Michael Sharpe is responsible for ensuring effective co-operation of ETSI's technical activities with the work of key regulatory bodies and partner standards bodies at the National, European and Global level. His current priorities include working with the European Commission to ensure the smooth introduction of the Radio Equipment Directive, and the continuing close co-operation with CEPT and the Commission Radio Spectrum Unit to ensure that ETSI Harmonized Standards and Regulations on radio frequency use are developed in a co-ordinated and effective manner.

**Christoph Wöste, ETSI Board Vice-Chairman, Federal Network Agency, Germany**

Christoph Wöste is working for the Federal Network Agency (Bundesnetzagentur) in Germany. He was involved in the area of international Spectrum Engineering from 1993 to 2010 and participated in several ITU-R and CEPT groups. He chaired the CEPT Working Group SE from 2004 – 2010. He was involved in ETSI TC ITS as Chairman of Working Group 4 “Media and Medium related” from 2010 – 2014. Since November 2014 he is an elected ETSI Board Member and active as a Board Vice-Chairman. In the Federal Network Agency in Germany he is Head of Section "Technical Regulation Mobile Radio Services".