

Final Event and Demonstration

“Wireless dynamic charging for Electric Vehicles”

June 21-22, 2018 || Turin, Italy

SPEAKERS' SHORT BIOGRAPHIES

Angelos Amditis, FABRIC Project Coordinator, Research Director, ICCS, Greece



Dr. Angelos J. Amditis is Research Director in the Institute of Communication and Computer Systems, and member of ITS Board of Directors. He is the Vice President and one of the founding members of ITS Hellas. He was one of the initiators of the EuroVR Association and he has also served as President from September 2010 till March 2016. He is representing ICCS at ERTICO-ITS Europe, where he is also a member of its Supervisory Board. He is participating to the C-ITS Platform, DTLF, GEAR2030, TM2.0 Platform (Steering Body member), Trilateral WG on Automation, euRobotics, SENSORIS, WssTP, ALICE (Steering Committee Member) and many other EC Groups and Platforms. He is the writer of several peer reviewed journal articles, book chapters and more than 175 conference papers. His current research interests are in

the fields of ITS include Automated Transport Systems, Cooperative Systems, Electromobility, Smart Mobility both for people and cargo (ITS for Logistics), cooperative systems, sensor and information fusion, data management/aggregation, communication technologies, highly and fully automated driving and embedded systems, vehicle to grid connectivity and charging optimization strategies, control algorithms, human machine interaction, smart mobility for people and freight (ITS for Logistics) and FOTs. He is also quite active on Internet related research (IoT, Cloud services etc.) and in the fields of Sensors for monitoring purposes, Telematics, Telecommunications Systems, EMC/EMI, Electromagnetic sensors, etc. He has participated in a large number of Research projects being the scientific responsible of more than 100 projects in the last 17 years and currently he is the coordinator of the following projects: ELVITEN (<http://www.elviten-project.eu/>), IN-PREP (<http://www.in-prep.eu/>), SAFERtec (<http://www.safertec-project.eu/>), PLUGGY (<https://www.pluggy-project.eu/>), SCENT (<https://scent-project.eu/>), NeMo (<http://nemo-emobility.eu/>), FABRIC (www.fabric-project.eu), INACHUS (<http://www.inachus.eu>) and SENSKIN (<http://www.senskin.eu>) and the newly accepted COREALIS and ICT4CART.

Luis de Prada, Research Programme Manager, European Council for Automotive R&D – EUCAR, Belgium



Luis de Prada graduated as a Mechanical Engineer from Valladolid's University, and as Industrial Engineer from Madrid's University. Since January 2011 Luis de Prada was head of the International Cooperation department at Fundacion CIDAUT (Research center in transport and energy), coordinating the strategy, consortium elaboration, and proposal writing for all CIDAUT's technical departments. In this position de Prada obtained a deep knowledge on EU funded programmes. Before that, he worked as R&D project manager in several areas, including advanced

metallic and composite materials, structural design, active safety and safety components design, electric vehicles, its architectures and materials, as well as the barriers and constraints for their mass roll-out in EU. Luis de Prada has been very active at international level coordinating FP7 and H2020 projects, and a tender for the European Parliament on Type Approval Requirements for the General Safety of Motor Vehicle.

Maurizio Maggiore, Project Officer, European Commission, DG Research & Innovation, H2, Belgium



Currently working at the European Commission, Directorate General for Research and Innovation, Surface Transport Unit, he is mainly responsible for automotive projects dealing with electric drives in the framework of the European Green Vehicles Initiative (EGCI) PPP. He is also responsible for the technical content of the EGVI and participates in several policy working groups on fuels and emissions regulations. He has also been responsible for ICE powertrains, Hydrogen and Fuel Cells, Aftertreatment and Light structures projects in the Road sector. Born in Como, Italy, he earned a Degree in aerospace engineering at Milan Polytechnic in 1985, after which he joined Agusta, the Italian helicopter manufacturer. He worked there for 14 years, initially in the Advanced Design Dept, and later in the Research Coordination office.

There he mostly managed EU-funded cooperative research projects in different areas such as

aerodynamics, interior and exterior noise, concurrent engineering, training, gearbox design. A fervent supporter of the need to increase the awareness of science and technology in the general public, he has been involved in the publishing business since 1979, mostly as a free lance, finally taking the post of Chief Editor for mechanical technologies of a technology magazine for two years before joining the Commission in 2002.

Peter Vermaat, *Principal consultant, TRL, UK*



Peter Vermaat is a Principal Consultant at TRL. He has over 30 years' experience in the electronics, communications and Intelligent Transport business, including research and development, product development, systems engineering, integration, test and operations. His principal areas of expertise are in the fields of Cooperative Systems, Low Carbon Vehicles and more recently in Automated Vehicles. He has been the technical lead in a number of Cooperative Systems projects for both the EC and Highways England in the UK, most recently in a project investigating the benefits that European road authorities could derive from the use of Cooperative applications. He is TRL's technical lead in the FABRIC project, having previously worked on other

wireless power transfer projects, both for the EC and the UK government.

Andrew Winder, *Project Manager, Clean Mobility, ERTICO – ITS Europe, Belgium*



Andrew Winder is a manager of activities in Intelligent Transport Systems (ITS) for clean and urban mobility at ERTICO (Brussels) since 2013, being involved in EU projects concerning electro-mobility, reduction of emissions and ITS evaluation. He was previously senior project manager at Egis France (Lyon), dealing with ITS, traffic management, urban transport research and knowledge management projects in Europe and beyond. He has also worked in consultancies and in the

public sector in the UK, focusing on public transport and access studies and user surveys. He has a BSc in Transport Management from Aston University (Birmingham, UK). In the FABRIC project, he was leader of the sub-project concerning ICT requirements for the demonstration.

Paolo Guglielmi, *Associate Professor, Politecnico di Torino, Italy*



Paolo Guglielmi received the M.Sc. degree in Electronic Engineering and the PhD degree in Electrical Engineering from the Politecnico di Torino, Turin Italy, in 1996 and 2001 respectively. In 1997 he joined the Department of Electrical Engineering, at the Politecnico di Torino, where he reaches the Researcher position in 2002. Since 2012 he is Associate Professor at the same university at the Energy Department. His field of interest are mainly related to the Electric Vehicles in the field of power electronics, high-performance servo drives, computer-aided design of electrical machines and wireless power transfer. He is active member of IEEE IAS, IES and PES international

scientific societies and he has authored more than 100 papers published in technical journals and conference proceedings.

Stéphane Laporte, *Project Manager, VeDeCom, France*



Stéphane Laporte, MS in Mechanical Engineering from INSA de Lyon is currently Project Manager at VEDECOM which he represents in the FABRIC project.

His current research interests include wireless dynamic charging technology, physical measurements, data fusion, EMF characterization, future transportation and charge systems, transports safety and security. He has coordinated more than ten FP7 projects with IFSTTAR researchers in different transport research areas (SECRET, 2BESAFE ...). He has held previously several management position in the automotive industry at Faurecia and in industrial laboratory context at LNE where he developed

expertise in car safety, laboratory management and product development.

Roy Johansson, *Senior Research Engineer, Volvo Group Trucks Technology, Electrical & Electronics Advanced Engineering – Hardware Technologies*



He has a technical college graduate training with a major in electronics. Thereafter he had a lot of varying work tasks for some different employers but they were all about electronics in some sense. The cravings for knowledge lead to a B.Sc. in Innovation Engineering and to broaden the competence further I got a M.Sc. in “Industrial Management and Economics”. The result is a “technocrat humanist” who is

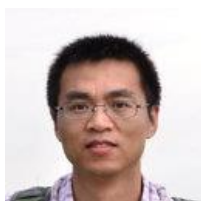
interested in most things but prefers to work with both humans and advanced technology. Worked for Volvo Group Trucks Technology since 2002. First six years with engine management systems and last six years within advanced engineering electrical systems. Currently working with next generation electrical architecture for commercial vehicles as well as being involved in two public projects: FABRIC and Imperium.

Sebastiaan Meijer, *Professor, KTH Royal Institute of Technology, Sweden*



Prof.dr.ir. Sebastiaan Meijer is full professor of Health Care Logistics at KTH Royal Institute of Technology, Stockholm, Sweden and head of the department of Biomedical Engineering and Health Systems. He is also vice-dean for the School of Engineering Sciences in Chemistry, Biotechnology and Health at KTH. Meanwhile he is part-time associated with Delft University of Technology, The Netherlands. He leads GaPSlabs: a multi-disciplinary center for gaming and participatory simulation in complex systems like transport, logistics, health care, urban development and energy. His main interests are in design methods for such systems, and how different methodologies shape decisions by authorities that manage complex multi-layered organizations and loosely coupled services. Gaming simulation in this sense is used for hypothesis testing, studying behaviour, knowledge and cognition, and designing new practices and procedures. Validity aspects of this type of research are his special interest, as well as multi-method simulation. Sebastiaan received his PhD from Wageningen University in 2009, for which thesis he won the Special Category of the Deutscher Planspielpreis 2010 for best European PhD dissertation on gaming methodology. His publications are both in domain and in methodology oriented conferences and journals and won several best paper awards.

Feng Chen, *KTH Royal Institute of Technology, Sweden*



Feng Chen completed his PhD study in 2016, at KTH Royal Institute of Technology, Sweden, focusing on the structural and material aspects of the electrified roads. After that, he continued working at KTH as a postdoctoral researcher until today. His main research interests lie in the civil engineering aspects of both traditional and innovative road pavement structures and materials. His areas of expertise include mechanical testing and constitutive modelling of asphalt material, pavement design and analysis, finite element modelling and discrete element modelling, sustainability of road infrastructure. He has authored more than 10 papers in prestigious scientific journals or conference proceedings, and is an active reviewer in several journals.

Hans Bludszuweit, *Technology Expert, Research Centre for Energy Resources and Consumption – CIRCE, Spain*



Dr. Hans Bludszuweit. PhD in electrical engineering. Born in Jena (Germany) in 1974, received the Dipl.-Ing. degree in Electrical Engineering from the Technical University of Ilmenau (Germany) in 2001 and the PhD (European Doctorate) from the University of Zaragoza (Spain) in 2009. Since 2009 he is a researcher in the Electrical Division at CIRCE, where he is part of the research group on Network Studies & Smart Grids which is also related to CIRCE's activities on wireless power transfer. He collaborated as one of the main authors in 4 journal papers and 13 contributions to international conferences and gained experience in project management participating among others in 3 European projects. He also has international experience in training activities, including Europe and South America. He worked one year as field test engineer in the sector of solar PV module production among others in the company First Solar. Stays in France, Mexico and Portugal deepened his knowledge in foreign languages. He speaks fluently German, Spanish and English, has good knowledge in French and Portuguese and basic knowledge in Russian and Korean.

Juan de Blas, *Partner Director, Qi Energy Assessment (Qi Europe), Spain*



Eng. Juan de Blas. Industrial Engineer specialized in Clean Energy, Sustainable Mobility, Environment and Industrial Organization. EU SME Instrument Official Coach. Official Business mentor Madrid area. MBA Executive, Master in Energy Business, Master in Renewable Funding, Master course in Foreign Trade. He has developed his career in the field of innovation and new markets, working as General Manager, Business Development Manager or Innovation Manager in several companies (large and SMEs) specializing in new technologies and markets. He has held positions on the

board of several national or international organizations; AEDIE. -Association for Diagnosis and Energy Research (International manager), ENEBC. -Spanish Heat Pump Association (secretary), APPICE-Spanish Fuel Cell Association, (secretary), Assistant to the Spanish focal point for Joule Craft actions VI FP, EU. Advisor International Energy Agency in innovative technologies (Energy). As Founder of Qi Europe (2012), he is working in advanced business models for new emerging technologies and developing growth strategies to move from the R&D to market (EU financing, international risk capital, technology strategic plans, coaching, roadmaps...). Qi Europe tries to remove technological, economic, financial and legal barriers in the fields of sustainable mobility (electro mobility, electric infrastructures) and clean energies (renewable and energy efficiency), although it also active in other areas as health, environment, ICT and Security and Defense. He has participated in more than 100 European projects, in a variety of tasks, from preparation, defense in Brussels, coordination to technical implementation in some others. He has participated in the Business model definition of more than 20 companies with new products or services in the energy and mobility sectors, among others.

Grzegorz Ombach, Vice President Qualcomm Halo & GM Qualcomm Halo China



Grzegorz Ombach is Vice President of Engineering and General Manager Halo China at Qualcomm. In this role he is responsible for business, technology and innovation portfolio development in close collaboration with strategic partners and universities. One of his main interest area is managing breakthrough innovation in cross functional teams. Grzegorz joined Qualcomm in 2012 from Brose Fahrzeugteile, where he managed the design of new automotive systems and intellectual property portfolio as Director of Advanced Development. Prior to Brose Fahrzeugteile,

Grzegorz was Principal Expert at Siemens VDO Automotive AG where his responsibilities included management of a panel of experts in charge of electric/electronic systems for automotive at the company.

Jean-Charles Pandazis, Head of Clean and Urban Mobility, ERTICO-ITS Europe, Belgium



Jean-Charles Pandazis, joined ERTICO, as Head of Department Efficiency & ElectroMobility, in 2009. He holds a MSEE degree from the Swiss Federal Institute of Technology in Lausanne (EPFL) and from the Georgia Institute of Technology in Atlanta. He built his career at Bosch Corporate Research successively as R&D engineer, Project Manager and finally Group Manager in the field of Driver Assistance. Seconded by Bosch to ERTICO from 1996 to 2003, he developed a “shared vision for ITS in Europe 20 years ahead”, then developed many activities related to map databases and driver assistance. He was the coordinator of the EU Integrated Project eCoMove and was also responsible of the ERTICO Task Force on "ITS for ElectroMobility". He is currently the coordinator of the industry-driven forum ADASIS, he is responsible for the ERTICO Programme on eMobility, and is coordinator of the eMI3 Association.

Jae Seung Lee, Sr. Manager, Research Strategy Office, Toyota Research Institute of North America, Toyota Motor North America (TMNA), USA



Jae Seung Lee received the Master and Ph.D degree from UC Davis, California in 2004 and 2005 respectively. He is currently a Senior Manager of Research Strategy Office of Toyota Research Institute of North America in Ann Arbor, Michigan. He has been leading R&D projects of lidar and radar sensor for autonomous driving, power electronics projects for EV charging, Energy management, wireless charging and so on. With Oak Ridge National Lab, his team first demonstrated 20kW dynamic WPT. He now takes responsibility of research strategy of Toyota North America R&D. He received 3 ‘R&D-100 Awards’, and he is an author or a coauthor of over 40 technical papers and issued 25 patents.

Patrick Akerman, Head of eHighway Business Development, SIEMENS AG, Germany



Patrick Akerman joined the Siemens eHighway team in 2012 and is currently its Head of Business Development. Before eHighway he worked for Siemens Mobility in China for three years. He has a M.Sc. in Economics from the Stockholm School of Economics.

Gilles Le Calvez, Vehicle Program Director, VEDECOM, France



Gilles Le Calvez graduated as Electronics Engineer from ISEP (Paris) with a specialization in embedded software. His professional experience started in the aeronautics at SNECMA and he joined the automotive sector after almost 10 years. He had various successive positions in the Research and Development network at VALEO. He has a long experience in collaborative research, as he has been in charge of the Automotive and Transportation working group of the System@tic Paris-Region Competitive Cluster for five years and has been an expert to the European Commission on several projects (FP7, Artemis ...). Since 2017, he is in charge of the Vehicle Department of VEDECOM, an Institute for Energy Transition. His fields of interest include vehicle electrification and driving delegation, being in addition member of the Board of INRIA as well as member of the Investment Committee for a Technology Transfer Company (SATT Paris-Saclay).

Rainer Lehmann, Head of Section V5 (Traffic Management, Road Maintenance), Federal Highway Research Institute (BAST), Germany



Rainer Lehmann, born in Bonn (Germany) in 1961, received the “Diplom-Ingenieur” degree in “Electrical Engineering” from RWTH Aachen University (Germany) in 1988. After his academic studies he developed industrial facilities for production automation and warehouse automation. In 1997 he changed to the roadwork administration of North Rhine-Westphalia, where he was responsible for the implementation of ITS infrastructure, the electrical equipment of road tunnels and communication lines on motorways. Since 2009 he is working for the Federal Highway Research Institute (BAST, Germany). There he is the Head of the Section V5 (traffic management, road maintenance) and leads several research groups which support the implementation of ITS services, develop standards for automated connected vehicles and fix the requirements for the installation of electrical systems to charge vehicles while driving. Other topics are the development of a new parking management system for trucks on rest areas and the evaluation of new methods for incident detection on motorways.
