



Security Assurance FramEwoRk for neTworked vEhicular teChnology

# SAFERtec Final Event

Burg Warberg, Germany | March 10th, 2020

## Agenda

Time slot	Name	Affiliation	Title of talk
15.30 - 15.45	<b>Dr. Angelos Amditis,</b> Research Director, SAFERtec Project Coordinator	<b>ICCS</b>	The H2020 SAFERtec project: scope, achievements and vision
15.50 - 16.15	<b>Dr. Konstantinos Maliatsos,</b> Senior Researcher	<b>UPRC</b>	The SAFERtec Modular Protection Profile
16.20 - 16.45	<b>Dr. Sammy Haddad,</b> Research Manager	<b>OPPIDA</b>	Introducing an Automotive Security Assurance Framework
16.50 - 17.10	<b>Flavian Dola,</b> Vulnerability Researcher <b>Nicolas Delhaye,</b> Vulnerability Researcher <b>Guillemette Massot,</b> Project Manager	<b>Airbus CyberSecurity SAS</b>	Vulnerability research methodologies for V2X equipment: the SAFERtec case
17.10 - 17.30	<b>Brigitte Lonc,</b> Connected Vehicle Cyber- Security Expert	<b>RENAULT</b>	ITS Security standardization activities
17.30 – 18.30	<b>Round Table Discussion</b>		



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## Round table discussion (17.30 - 18.30)

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**Moderator:** Dr. Panagiotis Pantazopoulos, SAFERtec Project Manager, ICCS

**Topic:** Cyber-risks, Protection Profiles and Standardization in the era of Connected Vehicles

Participants	Affiliation
<b>Dr. Sammy Haddad</b> , Research Manager	Oppida
<b>András Váradi</b> , Research Director	Commsignia
<b>Brigitte Lonc</b> , Connected Vehicle Cyber-Security Expert	RENAULT
<b>Dr. Florent Frederix</b> , SAFERtec Project Officer	European Commission
<b>Car2car Expert (Expected)</b>	<b>(TBC)</b>



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### Speakers' Short CVs (in alphabetical order)

#### Dr. Angelos Amditis – ICCS



Angelos Amditis (PhD, MBA) is Research Director in the Institute of Communication and Computer Systems (ICCS), and member of its Board of Directors. Since 2002, he is the founder and the Head of the I-SENSE Research Group of ICCS.

He has been elected unanimously the Chairman of the Board of Directors in ERTICO-ITS Europe. He is one of the founding members of EuroVR Association serving as President from 2010 till 2016 and currently as Vice President and member of the Executive board. He is also one of the founding members of ITS Hellas serving as a President till 2016 and currently serving as Vice President.

Moreover, being a leader in the developments of the Transport domain, he has been recently appointed as the National Representative of Greece at EU on Co-operative Connected and Automated Transport and Mobility (C-ITS and CCAM) and is also serving as Deputy Chairman of the Athens Urban Transport Organisation (OASA). Since May 2019, he is the Chairman of the Steering Committee of the Hellenic Port Community System (HPCS) of the Piraeus Container Terminal S.A. (PCT).

He is also Vice President of the Board of Directors of the Athens Public Transport Organisation (OASA) and member of the Board of Directors of the Athens Water Supply and Sewerage Company (EYDAP S.A.). He is participating in the ALICE Executive Group (Co-chair of the Interconnected Logistics WG). He is participating at the Innovation Platform of the Hellenic Corporation of Assets and Participations S.A. (HCAP).



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### Flavian Dola – Airbus CyberSecurity SAS



Flavian Dola is a Vulnerability Researcher in Airbus CyberSecurity SAS specialized on embedded systems (IoT, ICS, On Board components, etc.). His field of expertise lies on the areas of reverse engineering, fuzzing and exploit development. Lately, he has been working on Stuxnet-type attack on programmable logic controllers (PLC) that monitor and control industrial systems:

<https://www.cyberscoop.com/stuxnet-type-attack-airbus-cybersecurity/>

He has also applied vulnerability research techniques to discover some weaknesses over the SAFERtec test bench.

### Dr. Sammy Haddad - OPPIDA



Dr. Sammy Haddad holds a Ph.D. in Computer Science from the Université Paris Sud 11, Orsay, France. After a holding a position of teacher and research assistant at the university, he did a post-doctoral fellowship at the TELECOM Paristech engineering school, working on operational security assurance for large telco systems.

Since then, he is head of the research department at Oppida. Oppida is the oldest accredited software evaluation lab in France. In his research activities, he participated in many French and European collaborative research projects and tackled many different ICT cyber-security related topics: code validation and review, operational security assurance, assurance composition, radio communication security, secure platform design, ITS security and more.



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### Dr. Florent Frederix – European Commission



Dr. Florent Frederix is currently serving the Trust and Security Unit of the European Commission's Directorate-General for Communications Networks, Content and Technology as a principal administrator, with the responsibility of developing an industrial cybersecurity strategy for Europe. In addition he is responsible for a portfolio of research and innovation projects in the domain of cyber security.

Before joining the cyber security team, he was Head of the RFID Sector from 2006 to 2012 at the European Commission. This sector was responsible for the RFID policy and the emerging Internet of Things. Since January 2012, he has also been Editor-in-Chief of the International Journal of Advanced Logistics.

In his 20+ year career before joining the EU Commission he held positions in industry. For over 10 years he was Research Programmes Manager at Alcatel and in that role he contributed as initiator of some of the more important projects, to Alcatel's success in ADSL (broadband over telephone). Prior to joining Alcatel in 1991, Florent was also research and development coordinator of the team that developed the AESTHEDES computer aided design system for pre-press applications.

Florent holds Master of Science, Master of Business Administration and PhD degrees and has an educational background that spans Electronics, Computer Science and Economics.

### Brigitte Lonc - Renault



Brigitte Lonc is working in Renault as innovation project manager and expert in V2X Cyber-Security in Department Alliance Engineering Connected Vehicle.

She contributed to V2X Research & Technical specifications, validation & deployment initiatives in the Car2Car Communication Consortium, and to C-ITS standardization in ETSI, IETF, CEN/ISO (chairing ETSI ITS WG5 security).

She was active on security and privacy protection for Vehicle connected services and V2X communications in C2C-CC, C-ITS Platform WG Security,



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ERTICO iMobility forum and French PFA. She contributed to R&D projects in the field of the C-ITS Security (e.g. PRESERVE) and lead the French SystemX project on ITS Security (ISE), participates in its follow-on project (SCA) and in C-ITS pilot deployment (SCOOP@F, C-ROADS).

### Dr. Konstantinos Maliatsos - UPRC



Konstantinos Maliatsos (S'03-M'11) is a senior researcher for the Telecommunications Systems Laboratory of University of Piraeus with experience in many research (including 17 EU-funded) projects.

He received his Diploma in Electrical & Computer Engineering (2003) and his MBA in Techno-Economics (2005) from National Technical University of Athens (NTUA). In 2011, he received his PhD on Software Radios, Cognitive Radio, and Adaptive Wireless (NTUA).

He is the co-founder of Feron Technologies (2015), a telecom SME, where he leads R&D activities. His interests include Physical Layer Security, Vehicular Communications, Adaptive PHY, MIMO systems, and Channel Modelling. He has more than 40 publications in journals, conferences, and book chapters.

### Guillemette Massot – Airbus CyberSecurity SAS



Guillemette Massot holds an engineering degree in Data Science from Telecom Bretagne, France.

In March 2018, she joined Airbus CyberSecurity and is now working as a Project Manager for the Research and Technology department with emphasis on automotive projects. Her aim is to develop research activities and support the internal product development policy through several collaborated EU funded research project.



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### Dr. Panagiotis Pantazopoulos - ICCS



Dr. Panagiotis Pantazopoulos holds a Bachelor's in Physics, a 2-years MSc Degree in Control and Computing and a PhD degree in computer networks, all awarded by the National and Kapodistrian University of Athens.

He has been working on Intelligent Transport Systems (ITS) research along the last six years. His interests lie in the areas of design, analysis and performance evaluation of ITS protocols. Lately, his research focuses on security assurance for connected vehicles under V2I communications following closely the technical/managerial activities of the SAFERtec project.

He is one of the contributors to a modular Protection Profile for Connected Vehicles. Since 2017, he serves as an associate editor for the IEEE Intelligent Vehicles Symposium. Prior to the ITS involvement he spent several years working as a researcher on Internet protocols at the National & Kapodistrian University of Athens.

### András Váradi - Commsignia



András Váradi is Research Director at Commsignia, responsible for global research group activities and standardization.

Having received his MSc in 2009 from the Budapest University of Technology and Economics (BME) in electrical engineering, he has continued to work in the automotive industry on sensor networks and communication technologies.

He is currently chairing Hungary at ISO TC 204 and CEN TC 278. He is a Board Member of ITS Hungary. He also acts as CG chair at the C2C-CC and Commsignia's GA representative at 5GAA.



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