



EPoSS

European Technology Platform
on Smart Systems Integration



EPoSS General Assembly & Annual Forum 2017

„Smart Systems for an Automated World“

19-20 October 2017
Graz, Austria

Programme

Organiser



Supported by



9:00 – 9:30	Opening session	Chair: Josef Affenzeller, AVL	
	Smart Systems: the present situation and next challenges	Carmelo Papa	STMicroelectronics / EPoSS Chairman
	Welcoming remarks	Hermann Schützenhöfer	Governor of Styria
	Welcoming remarks	Michael Wiesmüller	Austrian Ministry of Transport, Innovation & Technology
9:30 – 10:15	Session I – Funding opportunities for SSI	Chair: Carmelo Papa, STMicroelectronics	
	Smart Systems technologies in the context of the European R&I policy	Francisco Ibañez	European Commission
	Thinking together, working together, investing together	Bert de Colvenaer	ECSEL JU
10:15 – 10:45	Session II – Setting the scene	Chair: Carmelo Papa, STMicroelectronics	
	A view on the future of EPoSS and EURIPIDES ²	Jochen Langheim	STMicroelectronics
	How autonomous do you like your product? A reverse engineering approach to Smart Systems research and technology development	Petra Weiler	VDI/VDE-IT
10:45 – 11:15	Coffee break & poster session		
11:15 – 13:00	Session III – Smart Systems for the automated factory	Chair: Harald Pötter, Fraunhofer IZM	
	Presentation of the draft position paper "Smart Systems for the automated factory"	Harald Pötter	Fraunhofer IZM
	Application of Smart Systems in an automated factory	Luis Usatorre	Tecnalia
	Application of advanced data analysis in industrial environment	Alexander Steinecker	CSEM
	Smart and cyber-physical systems in the context of Industry 4.0	Björn Sautter	FESTO
	Challenge of mechatronics in an increasingly autonomous world	Wolfgang Zoels	Siemens
13:00 – 14:00	Lunch		
14:00 – 15:45	Session IV – Smart Systems for automated transport	Chair: Wolfgang Dettmann, Infineon	
	Presentation of the draft position paper "Smart Systems for automated transport"	Gereon Meyer	VDI/VDE-IT
	Extending the cooperation between vehicle manufacturer/suppliers and road operators/road authorities to get automated vehicles faster on the road. Where are the borders of a „Smart System“?	Wolfram Klar	AustriaTech
	Verification of robust and reliable platforms for automated driving	Steffen Metzner	AVL
	Autonomous driving technologies	Gorazd Lampič	Elaphe
	Collaborative perception in automated transportation through IoT technology	Stella Nikolaou	CERTH
15:45 – 16:00	Coffee break & poster session		
16:00 – 18:00	General Assembly		
18:30	Departure to evening event at the Orangerie in Burggarten Graz		

Friday, 20 October 2017

8:30 – 9:00 **Welcome coffee**

9:00 – 9:30 **Opening of the 2nd day** **Chair: Michael Scholles, Fraunhofer IPMS**

Opening remarks	Reinhard Neul	Bosch
The more it is used, the better it works: the SSI trademark	Silvia Zinetti	MESAP

9:30 – 10:30 **Session V – Smart Systems for the automated hospital** **Chair: Michael Scholles, Fraunhofer IPMS**

Presentation of the draft position paper "Smart Systems for the automated hospital"	Renzo dal Molin	Cairdac
Minimally invasive device for monitoring multiple metabolites	Nooshin Saeidi	Fraunhofer ENAS
Generic integrated forensic toolbox for CBRN incidents	Eric Moore	Tyndall National Institute

10:30 – 11:00 **Coffee break & poster session**

11:00 – 12:00 **Session VI – Smart Systems for the automated exploration, monitoring and management of natural resources** **Chair: Sven Rzepka, Fraunhofer ENAS**

Smart swimming wireless sensing system for real-time biotechnical process measurement	Christian Hedayat	Fraunhofer ENAS
The importance of sophisticated monitoring systems for the safeguarding of water resources	Hans Zojer	TU Graz / WssTP
Sustainability assessment of natural resource consumption - principles, methodology and examples	Gerfried Jungmeier	Joanneum Research

12:00 – 13:00 **Session VII – Smart Systems for automated farming** **Chair: Wolfgang Gessner, VDI/VDE-IT**

Towards a smart agri-food system: challenges and opportunities	Veerle de Graef	Flanders Food
Autonomous robots for Farm 4.0	Karsten Hofmann	Continental
Thinking about issues on Smart Systems for agrofood	Luis Fonseca	IMB-CNM

13:00 **Networking lunch & farewell**

WIFI Access

WIFI: **ecsel-eposs**
 Password: **ecsel-eposs-2017**