

EPOSS & EPSI Annual Forum 2020

Smart Systems to #BeActive

DAY 1 – September 29, 2020

(DRAFT PROGRAMME)

Opening Session - Future Funding Priorities for European Recovery

Chair: Wolfgang Gessner, EPoSS Director

10:00 - 10:05	Short Announcement by the Moderator
10:05 - 10:15	Stefan Finkbeiner <i>EPoSS Chairman, Bosch Sensortec</i>
10:15 - 10:25	Lucilla Sioli <i>Director of Artificial Intelligence and Digital Industry DG CONNECT, European Commission</i>
10:25 - 10:35	Ina Kathrin Schieferdecker <i>Head of the Research Department for Technological Sovereignty and Innovations at the German Federal Ministry of Education and Research BMBF (tbc)</i>
10:35 - 10:45	Michael Wiesmüller <i>Head of Department ICT/Manufacturing/Nano/Space at Austrian Federal Ministry for Transport, Innovation and Technology (tbc)</i>
10:45 - 10:55	Bert de Colvenaer <i>Executive Director of the ECSEL Joint Undertaking</i>
10:55 - 11:10	Key Note: Markus Riester <i>CTO, midge medical</i>
11:10 - 11:25	Questions and Answers

11:25- 11:45 Break

EPoSS Session I - Smart Systems for Green Deal

Chair: Elisabeth Steimetz, EPoSS Office Director

11:45 - 12:00	Key Note: Mario Diaz Nava <i>ST Microelectronics</i>	Green Deal for Agriculture, Food and Natural Resources
12:00 - 12:10	Marina Navarro-Segarra <i>IMB-CNM (CSIC)</i>	Biodegradable Batteries for Sustainable Smart Systems
12:10 - 12:20	Gereon Meyer <i>VDI/VDE-IT</i>	Green Deal for Mobility (CCAM/2ZERO)
12:20 - 12:30	Jérôme Gavillet <i>CEA-LETI (tbc)</i>	5E Vision Paper on Circular Economy
12:30 - 12:45	Questions and Answers	

12:45- 13:45 Lunch Break

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EPoSS Session II: Smart Solutions for Industry 4.0

Chair: *Christine Neuy, microTEC Südwest*

13:45 - 14:00	Key Note: Alessandro Marini <i>AFIL Italy</i>	
14:00 - 14:10	Mirko Ross <i>Digital worx</i>	IIoT-Technologies and Cybersecurity for Manufacturing at Kallfass Verpackungsmaschinen in CYSEMA Project
14:10 - 14:20	Kris Putrins <i>IniVation</i>	Identifying the Benefits of Neuromorphic Vision in Industrial Applications
14:20 - 14:30	Kristin Imenes, University of South-Eastern Norway	Erasmus Mundus Master in Smart Systems Integrated Solutions
14:30 - 14:45	Questions and Answers	

14:45 - 15:15 Break

EPoSS Session III - AI at the Edge

Chair: *Stephan Karman, Hahn Schickard*

15:15 - 15:30	Key Note: Heiko Claussen <i>SIEMENS CT</i>	
15:30 - 15:40	Tobias Steege <i>Fraunhofer IWS</i>	AI in Material Modification with Photonic Tools; How Laser-based Surface Functionalities Can Become Predictable Using Machine Learning Approaches
15:40 - 15:50	Kaustubh Gandhi <i>Bosch Sensortec</i>	AI at the Edge: Self-learning Sensor and Software Technology for Sports and Lifestyle Applications
15:50 - 16:00	Dirk Meyer <i>Fraunhofer IIS</i>	Artificial Intelligence for Sustainable and Energy Efficient Buildings
16:00 - 16:15	Questions and Answers	

16:15 - 17:00 Break

17:00 - 18.30 5E Transversal WG - Workshop

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Joint EPoSS/EPsi Session IV - Smart Systems to overcome COVID-19

Chair: Alberto Bichi, EPSI

10:00 - 10:05 Opening of the second day by the Chairperson

10:05 - 10:15 **Mariya Gabriel**
Commissioner for Innovation, Research, Culture, Education and Youth
European Commission (tbc)

10:15 - 10:30 **Key Note: Steve Haake**
Professor of Sports Engineering
at Sheffield Hallam University

Sport Against Consequences of COVID-19
Pandemic

10:30 - 10:45 **Key Note: Daniel Mark**
Spindiag

A Smart Dream Comes True: From Microfluidics
R&D to Product Launch of a Rapid SARS-CoV-2
Test in Pandemic Times

10:45 - 10:55 **Kathleen Spring**
Bioanalytik

The Impact of Technologies on the Change in
Healthcare Delivery Today and Tomorrow

10.55 - 11:10 Questions and Answers

11:10 - 11:30 Break

Joint EPoSS /EPsi Session V - Smart Systems for Health and Active Living

Chair: Rainer Günzler, Hahn Schickard

11:30 - 11:40 **Jan Mitrovics**
JLM Innovation

Smart Sensor Systems for Breath Analysis.
Opportunities, Challenges, Strategies.

11:40 - 11:50 **Lucas Ginzinger**
Bosch Sensortec

Unlocking Potential of Smart Glasses for Sport
Applications Combining Sensing and All-day Display
Solution

11:50 - 12:00 **Christophe Verjus**
Centre Suisse d'Electronique et
de Microtechnique (CSEM)

Solutions for 24/7 Monitoring of Physiological
Parameters

12:00 - 12:10 **Jos Aarts**
University Maastricht

Mobilisation and Activation of People with
Technical and/or Activity 'Special Needs'

12:10 - 12:20 **Laura Ortega Tañá**
IMB-CNM (CSIC)

Self-powered Strategies Enabling Health
Monitoring

12:20 - 12:40 Questions and Answers

12:40 - 13:30 Lunch Break

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EPoSS/EPsi Session VI - Smart Systems for Sports Applications

Chair: Rene Wijlens, EPSI

13:30 - 13:40	Anders Erik Liverud <i>SINTEF</i>	Human Motion Tracking from Heterogeneous Sensor Data
13:40 - 13:50	Salvatore Tedesco <i>Tyndall National Institute, University College Cork</i>	Wearable Motion Sensors for the Estimation of Vertical Ground Reaction Forces in Running
13:50 - 14:00	Pieter Bauwens <i>Imec/ Ghent University</i>	A Stand-Alone Motion Tracking Suit for Optimizing Cycling Biomechanics
14:00 - 14:10	Jérôme Boutet <i>CEA-LETI</i>	Classifying Boxing Strikes by Artificial Neural Network Embedded in a Wristband
14:10 - 14:30	Questions and Answers	

14:30 - 15:00 Break

15:00 – 17:00 EPoSS - EPSI Brokerage

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