

European Workshop on the Future of Edge AI (EFEA)

June 8 – 9, 2022

Organisation: Inessa Seifert, Kay Bierzynski

Moderation: Inessa Seifert

DAY 1 – Wednesday, June 8, 2022

Opening Session

- | | |
|---------------|---|
| 13:00-13:10 | Welcome and Introduction
<i>Elisabeth Steimetz (EPoSS)</i> |
| 13:10 – 13:30 | Key Digital Technologies Joint Undertaking
<i>Georgi Kuzmanov (KDT JU)</i> |
| 13:30 – 13:50 | Electronic Components and Systems (ECS) Strategic Roadmap Agenda
ECS SRIA 2023 – Overview and Current Activities
<i>Marc Duranton (CEA)</i> |
| 13:50 – 14:10 | How to Distribute the Neural Networks across the Edge-Cloud Continuum
<i>Jona Beysens (CSEM)</i> |
| 14:10 – 14:30 | Analog Computing for Accelerating AI at the Edge
<i>Jacek Flak (VTT)</i> |
| 14:30 – 14:40 | Break |
| 14:40 – 15:00 | General View on Trustworthy AI (BDVA perspective)
<i>Djalel Benbouzid (EU project Ethical and trustworthy of machine intelligence ETAMI)</i> |
| 15:00 – 15:20 | Reinforcement Learning for Optimal Thermal Management of 5th Generation Electric Powertrains
<i>Bernhard Peischl (AVL)</i> |
| 15:20 – 15:40 | Final Discussion: Future Trends for Edge AI |

Organised by



EPoSS
European Association on
Smart Systems Integration

European Workshop on the Future of Edge AI (EFEA)

June 8 – 9, 2022

DAY 2 – Thursday, June 9, 2022

Future Emerging Markets

Session III – Space

- 09:00 – 09:20** **Information Made in Orbit: Space Cloud Brings Cloud Computing to Space**
Fredrik Bruhn (Unibap)
- 09:20 – 09:40** **Deploying AI on Edge Gateway Device – Lightweight IDS Use Case**
Mohammed Hassine (Tisalabs)
- 09:40 – 10:00** **Real-Time AI at the Edge to Drive Giant Scientific Experiments**
Damien Gratadour (l'Observatoire de Paris)
- 10:00 – 10:20** **IoT Tribe: Space Endeavour**
Tanya Suarez (Bluespecs)

10:20 – 10:30 **Break**

Session VI – Industrial Metaverse

- 10:30 – 10:50** **Interreality and Metaverse: Bring the IoT to Life**
Axel Nackaerts (IMEC)
- 10:50 – 11:10** **Metaverse Value Chains**
Kay Bierzynski (Infineon)
- 11:10 – 11:30** **Final Discussion and Concluding Remarks – Next Steps to Go and Ideas to Share**

Organised by



EPoSS
European Association on
Smart Systems Integration