

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

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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**

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