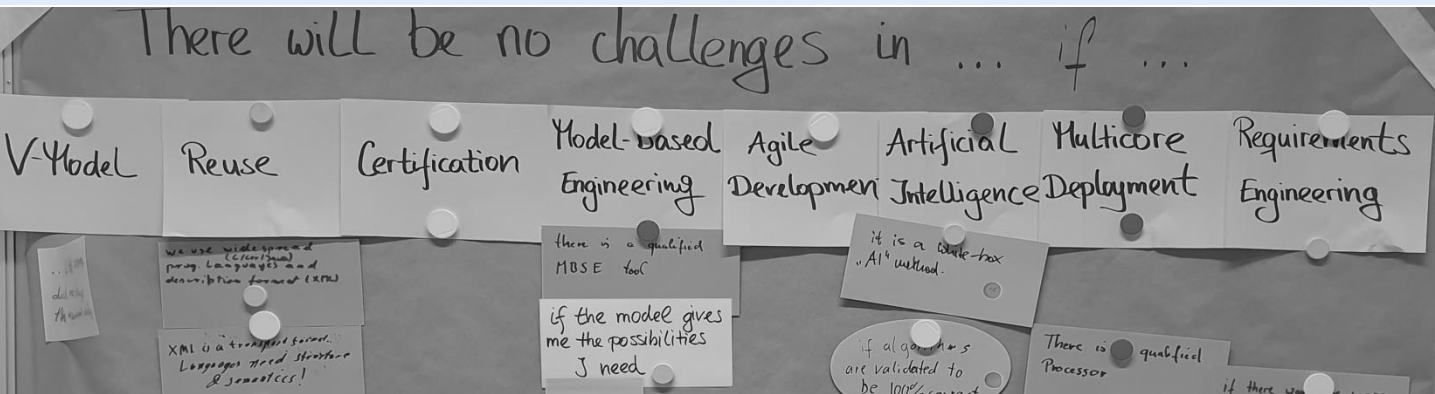


AvioSE'20

Updated!



2nd Workshop on Avionics Systems and Software Engineering
February 25, 2020, Innsbruck, Austria



Software development in the aerospace domain is driven by increasing complexity, new application potentials, and rising certification effort. Future applications demand for new software development methodologies, e. g. autonomous air transport, commercial UAVs, and further enhancement of existing functionality. At the same time, there are issues in communication and navigation in airspace, certification for multi-core processors or artificial intelligence, and security in software, hardware, and connectivity.

Topics (but not limited to):

- **Development technologies:** Requirements engineering, modelling languages and tools, transfer of modelling techniques to industrial application, verification via testing and formal methods, security & safety
- **Development methods:** Agile development vs. certification, interaction with other domains (e. g. physics, psychology)
- **Product technologies:** Applications of artificial intelligence (including verification and certification), autonomous systems
- **Additional challenges:** Reference architectures for hard- and software and interfaces between sub-systems, sensors, sensor fusion, sensor management, Integrated Modular Avionics (IMA), obsolescence (management)

Further information and registration:

<https://aviose-workshop.github.io/>

Registration is open!

Short info:

- Language: English
- Short (4 pages) or full paper (8 pages)
- Peer-review by international committee
- CEUR-WS publication
- **Excellent papers can be proposed for the CEAS Aeronautical Journal!**



Dates (Extended):

- Jan 06, 2020 → Paper submission
- Jan 13, 2020 → Paper acceptance
- Jan 20, 2020 → Final manuscript
- Feb 25, 2020 → Day of the workshop

Keynotes:

- Holger Flühr, UAS Graz
- Detlef Schiron, Airbus

Co-located with the

SE | 20
SOFTWARE ENGINEERING
<https://se20.ocg.at/>

Combined Conference Software Engineering & Management 2020 (SE20)
24.-28. of February 2020