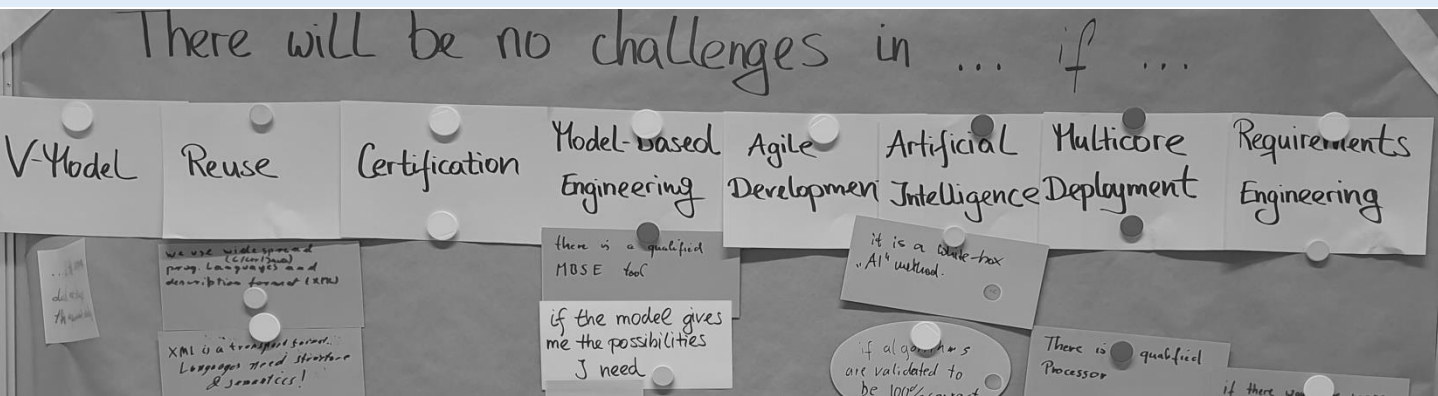# AvioSE'20

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/

Short info:
- Short (4 pages) or full paper (8 pages)
- Peer-review by international academic and industrial committee
- CEUR-WS publication

Dates:
- Nov 30, 2019 → Paper submission deadline
- Dec 14, 2019 → Paper acceptance notification
- Jan 20, 2020 → Final manuscript
- Feb 25, 2020 → Day of the workshop

Previous workshop:
- AvioSe'19 (https://aviose-workshop.github.io/2019)

Co-located with the

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

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