Call for Posters, Demos and Work in Progress presentations

The Eclipse SAAM Mobility conference will bring together industry experts and researchers working on the next generation of mobility, especially focusing on Security and Privacy, Artificial Intelligence, Architecture, modelling, and innovative software and systems solutions. You are invited to present your demos and work in progress to participants from the research community, industry and standardisation bodies and to exchange ideas for future joint research activities. You are invited to submit a poster, demo or research brief describing your project or a work in progress. Posters will be presented in small groups with 5 minutes for each poster. Demos will also be presented in 10 minute slots. Accepted research briefs (as in the original Call for Papers) will be allotted a 15-minute presentation slot with 5 minutes for questions.

We welcome all submissions and do not require projects to be associated with the Eclipse Foundation or its projects. Final date for submissions is **May 28 2021**. Selected demos and presentations will be published under the Creative Commons License 4.0 on ceur-ws.org.

Important Dates

May 28, 2021	June 1, 2021	Jun. 15-16, 2021
Submission deadline	Acceptance Notification	Conference Dates

Technical Topics

We encourage demos and work in progress presentation submissions related to the conference main theme. Technical Topics of Interest (the conference is focused on, but not limited to) are:

Security and Privacy for Mobility	Architecture for Mobility	Artificial Intelligence for Autonomous Mobility	Modelling for Complex Mobility Systems and Services
• Security protocols, practices, and architectures • Privacy issues of smart and shared mobility • Secure discovery and authentication • Access control and intellectual property rights for shared data and software resources • Identification, assessment, and mitigation • of cyber-physical threats and safety issues of mobility • Challenges, Use Cases, and Solutions	• Cloud- and edge computing architectures for autono— mous driving and smart mobility applications • In-vehicle software and computing platform architectures (e.g. AGL, Android Automotive etc,) • In-vehicle sensors and instrumentation of the vehicles • Microservices, monitoring and scalability of mobility applications • Service oriented architectures for mobility applications • Next generation connectivity for mobility applications (e.g. 5G and beyond)	• Intelligent distributed architectures and infrastructures • Autonomic Computing • Distributed intelligence and multi- agent systems; Edge AI for mobility • Context-Awareness and Location- Awareness • Machine Learning and Deep Learning Approaches • Adaptive Anomaly Detection and Predictive Maintenance • AI, deep learning for predictive security • Challenges, Use Cases, and Solutions for Industry and Society	• Modelling Languages and Tools • Verification & Validation approaches • Modelling for mobility solutions • Security & Privacy modelling • Statistical models checking • Modelling adaptive IoT systems • Runtime models • Challenges, Use Cases, and Solutions for Industry and Society

Submission Guidelines

We encourage descriptions of the demos and work in progress presentations in a short format (max 2 pages) in line with the conference format. A work in progress paper can represent a short introduction to research problem, possible solution(s) and a piece of with initial or expected results. Demos should indicate the related problem or objective, solution, and planned steps on how the demo will be presented to the audience.

Posters should be in 16:9 format that is suitable for sharing online. They will be published under the EPL2 license on the conference website, along with an abstract, to allow participants to preview posters before the poster session.

Papers must be written in a two-column format. It is strongly recommended to use the IEEE A4 templates that are available from the IEEE site (https://www.ieee.org/conferences/publishing/templates.html).

Technical Program Committee

The Program committee is an independent panel of expert volunteers and as such will do their best to judge papers objectively and on the principle of a level playing field for all.

We are inviting additional members to the Program Committee and welcome nominations from the community.

- Karl Andersson, Luleå University of Technology
- Paolo Azzoni, EUROTECH
- Alessandra Bagnato, SOFTEAM
- Ahmad Bani Jamali, University of Oulu
- Christian Berger, Gothenburg University
- Benoit Combemale, University of Toulouse, INRIA
- Maria Teresa Delgado, Eclipse Foundation
- Marco Jahn, Eclipse Foundation
- Erik Kamsties, Fachhochschule Dortmund
- Teemu Karvonen, University of Oulu, M3S Group
- Markus Kelanti, University of Oulu, M3S Group
- Lukas Krawczyk, Fachhochschule Dortmund
- Karl-Heinz Krempels, Fraunhofer FIT / RWTH Aachen
- Zakaria Laaroussi, Ericsson
- Lucy Ellen Lwakatare, University of Helsinki
- Yod Samuel Martín, University of Madrid
- Ralph Mueller, Eclipse Foundation
- Tero Päivärinta, University of Oulu, M3S Group
- Ella Peltonen, University of Oulu, UBICOMP
- Ivana Podnar-Zarko, University of Zagreb
- Sowmya Ravidas, TU Eindhoven
- Jan-Philipp Steghoefer, Gothenburg University
- Sasu Tarkoma, University of Helsinki
- Burak Turhan, University of Oulu, M3S Group
- Alexander Viehl, FZI Forschungszentrum Informatik

Conference Co-chairs

- Pasi Kuvaja, Professor Emeritus, University of Oulu, M3S Group, Finland
- Philippe Krief, Eclipse Foundation Europe, France

The Eclipse SAAM Mobility 2021 conference is co-organized by the University of Oulu and the Eclipse Foundation.

Contact Us

If you have questions about the conference or the CFP, please contact research@eclipse.org.

Conference Website: events.eclipse.org/2021/saam-mobility