

RESEARCHERS DAY

The digitalized transportation system – Making it safe and secure

17 October 2017

Invitation and call for presentations

AstaZero Researchers Days serve as a forum for researchers, experts and practitioners to explore and discuss recent research results, challenges and opportunities in the area of the automated transportation system.



Digitalization affects all parts of society. Applications exist in industry, health-care, agriculture etc. More units are connected to the internet, and data is shared to create new functions and novel business cases. This is true also for the transportation system. The road vehicles and the infrastructure are starting to share information, which will make it possible to create new safety functions. Cooperative Intelligent Transport Systems (C-ITS) will be a key technology to reach the zero vision in transport. Automated driving will also be supported by the digitalization of the transportation system.

The interaction is not for the vehicle itself, but for the complete transportation system comprising all vehicles and the infrastructure. Safety in transportation can potentially be increased, but we have to manage the new risks arising through application of this new technology. Technologies for C-ITS, information security, privacy issues, traffic management and standardization of communication, must be combined with existing competence in road safety. We welcome your presentation or demonstration on any of these subjects, or other subjects related to the digitalized transportation system.



Call for presentations

For this symposium, we are inviting presentations from the various disciplines that are involved to design, realize and test solutions for the automated transportation system. We are especially interested in presentations related to making the system safe and secure, such as:

- C-ITS
- Highly Automated Vehicles
- Cybersecurity
- Information security and privacy issues
- Traffic management

Submission guidelines

We are looking for contributions to this symposium in the form of talks, posters and demonstrations. To contribute, please submit an abstract (maximum 1 page) about the work that you would like to present to submissions@astazero.com. The abstract needs to contain the following information:

- Title
- Authors and affiliations
- Summary (at least 0.5 page)
- Keywords

All submissions will be evaluated on the basis of quality and relevance. Accepted submissions will be invited to present either as a talk or poster at the symposium.

The accepted contributions for the symposium (abstract including presentation or poster) will be published after the symposium in a technical report.

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Key note speakers



Autonomous vehicles and the transportation system – insights and challenges

Hamid Zarghampour
Chief Strategist, Connected and automated transports,
Swedish Transport Administration

Hamid Zarghampour currently works as Chief Strategist, Connected and Automated Transports, at the Swedish Transport Administration. He started his career at the Swedish National Road Administration about 20 years ago. He has worked with Road asset management in general and long-term infrastructure planning in particular. During his career, Zarghampour has worked actively with implementing innovative transport solutions, aiming towards creating good accessibility in sustainable communities. Since 2012, he works with research and innovation in various areas of connected and automated vehicles as a potential for modernization of the road transport system.



The digital mine

Peter Burman
Program manager mine automation
Boliden

Peter Burman, born 1964, holds a master of science and an M.B.A. Mr. Burman has been Project Manager in the Mine Automation Program since 2012. 2015 he was appointed Program manager for the whole mine automation Program. Initially working for Boliden 1988-1995 he went to the telecom business. During 17 years at Ericsson and Ascom he worked in various positions like R&D manager and Business Area Manager.

He is also coordinates Boliden's contacts with some European universities and research organizations.

Important dates

Submission deadline for abstracts	8 September
Notification of acceptance	15 September
Last day to register	6 October
Symposium	17 October



Practical info

The program will last during 9.00-16.30
Bus from Göteborg will be provided for the participants.
Participation is free-of-charge
Maximum number of participants: 80



Contacts

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