

Call for Participation

DIVERSE: A Workshop on Advanced Technologies in Industrial Vehicular Systems

Organized by:

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✦ **FOCUS.** The workshop covers the advanced technologies and solutions for vehicular systems, mainly focusing on the following topics:

- Models and languages for the development of software architectures
- Onboard network protocols, e.g., CAN, Automotive Ethernet, TSN
- Scheduling and schedulability analysis
- Autonomous vehicles, advanced driver assistance systems, V2X communications
- Advanced computing platforms for vehicular systems, e.g., multi-core
- Safety, security and certification (e.g., according to ISO 26262) aspects in vehicles
- Tool support and industrial case studies for vehicular embedded systems

✦ **Speakers:**

- Dakshina Dasari, Corporate Research, **Robert Bosch GmBH**, Germany.
Title: Rethinking Scheduling Paradigms for Future Automotive Systems
- Marina Gutierrez Lopez, **TTTECH**, Austria.
Title: TSN for Automotive Networks: Architectures, Tools and Protocols
- Torbjörn Martinsson, **Volvo Construction Equipment**, Sweden.
Title: The New Machines: Construction Equipment Vehicles Set the Direction
- Rafik Henia, **Thales**, France.
Title: Integration of Schedulability Analysis in the Industrial Design Process
- John Lundbäck and Mattias Gålnander, **Arcticus System**, Sweden.
Title: Model-driven Development of Predictable Embedded Systems in the Vehicle Industry: The Rubus Approach
- Saad Mubeen, **Mälardalen University**, Sweden.
Title: Developing Predictable Vehicle Software on Multi-core: Challenges and Opportunities.
- A **panel discussion** by all presenters.

✦ **SCHEDULE(2019)**

❖ This Workshop is organized on September 10, 2019.