

INVITATION

1ST ZALAZONE SCIENTIFIC CONFERENCE

19TH MARCH 2020 (THURSDAY) IN AUTOMOTIVE PROVING GROUND ZALAZONE,
ZALAEGERSZEG, HUNGARY

The motto for the Conference is:

“State-of-the-art, scientific vision & proposals for joint research activities at ZalaZONE”

to reassess our joint commitments in expanding trilateral and beyond activities and further strengthen relevant areas of agreements to generate next steps in our cooperation fields. The purpose of the conference is to review specific scientific results and initiatives for further collaborations.

The Conference is a forum for advancing knowledge, state-of-the-art results, open scientific challenges and exchange ideas on methods, principles, instruments, technologies, IT solutions, sensor technologies, measurement challenges, (big) data collection, storage and access tools, applied artificial intelligence algorithms, multicriteria optimization techniques, virtual and simulated environments, transport and mobility challenges, testing and vehicle standards, safety and security approaches, conformity assessments, vehicle dynamics, smart city assignments, various test cases on high-speed, dynamic platforms, motorways and rural roads and in tunnels, complex braking and handling challenges, behaviour optimization on various dynamic modules, experiments and control of public road and smart road drive, business models, legislation and regulations and testing methodologies as well as their diffusion across the scientific community.

Participants have an excellent opportunity to meet top specialists from industry and academia all over the world and to enhance their international co-operation. The programme will feature scientists and experts as leading keynote speakers for selected presentations on the main topics of the Conference.

The participation at the conference is free but subject to prior registration. Please, register your participation on the 1st ZalaZONE Scientific Conference on the following link no later than March 6th 2020: [REGISTRATION](#)

We expect registrations from PhD students, university professors, and academic staff.
Thank you for your participation and cooperation!

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SZÉCHENYI 2020



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PROGRAM:

| Time | Presentation topic | Speaker |
|---------------|---|---|
| 10:00 – 10:20 | Radar based sensing | Prof. Dr. Arno Eichberger Graz University of Technology |
| 10:20 – 10:40 | 3D point-cloud acquisition | Prof. Dr. Domen Mongus, University of Maribor |
| 10:40 – 11:00 | Virtual testing & Simulation | Dr. Tamás Tettamanti Budapest University of Technology and Economics |
| 11:00 – 11:30 | Coffee break | |
| 11:30 – 11:50 | Vehicle dynamics | Prof. Dr. Manfred Plöchl, TU Wien |
| 11:50 – 12:10 | Beyond NCAP testing | Prof. Dr. Toralf Trautmann Hochschule für Technik und Wirtschaft Dresden |
| 12:10 - 12:30 | Simulation, Automated driving, sensor fusion | Prof. Dr. Daniel Watzenig, Virtual Vehicle |
| 12:30 - 13:30 | Lunch | |
| 13:30 - 13:50 | Automotive Mechatronics | Dr. Dénes Fodor, Pannon University |
| 13:50 - 14:10 | Integrated Safety & Security | Prof. Dr. Hans Tschürtz, FH Campus Wien |
| 14:10 - 14:30 | Transport and mobility challenges of automated future | Dr. Péter Földesi, Széchenyi István University |
| 14:30 - 15:00 | Coffee break | |
| 15:00 - 15:20 | Drone and cyber challenges | Dr. Imre Porkoláb Government Commission for Defence Industry Dev. |
| 15:20 - 15:40 | ADAS testing/Market survey | Dr. Ákos Kriston, European Commission-JRC |
| 15:40 - 16:00 | Reliability assessment of automotive functions | Prof. Dr. Jernej Klemenc, Univerza v Ljubljani |

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