**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**](https://docs.google.com/forms/d/e/1FAIpQLSfIbTMctIS4j7wtjjz36oJ7QowhNF9VImBpdeKAG1BcvEfNfA/viewform?usp=sf_link)

We expect registrations from PhD students, university professors, and academic staff.

Thank you for your participation and cooperation!

The program has been supported by the European Union, co-financed by the European Social Fund.  EFOP-3.6.2-16-2017-00002.

**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