
Join the Hi-Drive 1st Summer School

'Driving towards the deployment of Higher Automation'

06 - 07 September 2023
Porto Heli | Greece



Hi-Drive
Deployment of Higher Automation

— INTERNATIONAL
SUMMER SCHOOL

SEP 06 - 07 | 2023
AKS PORTO HELI, GREECE

REGISTRATION
DEADLINE EXTENDED
30 JUNE 2023

hi-drive.eu @_HiDrive_ Hi-Drive

The banner features a dark blue background with a light blue diagonal stripe. On the right, there is a futuristic car interior with a steering wheel and a large digital display showing a map and the text 'Self Driving'. The text is in white and yellow. At the bottom right, there are social media icons for a globe, Twitter, and LinkedIn, along with logos for the European Union and other partners.

Following a series of summer school events organised within the framework of PReVENT, HAVEit, interactIVe, AdaptIVe, and L3Pilot Integrated Projects, the flagship EU project for automated driving, [Hi-Drive](#) is organising its 1st International Summer School on 'Driving towards the deployment of Higher Automation', which will take place on **06 - 07 September 2023**, at the beautiful summer resort of **Porto Heli** in Greece ([AKS Porto Heli Hotel](#)), just a few hours away from Athens!

Participation at the event is **free of charge***, but registration is compulsory.

REGISTRATION DEADLINE EXTENDED TO 30 JUNE 2023.

**Travel and accommodation excluded.*

[**REGISTER HERE!**](#)

During this **two-day event**, prominent speakers from both academia and industry, as well as key experts from European projects and international initiatives are invited to give cutting-edge lectures in the field of **Automated Driving (AD)**, sharing recent advances in AD systems development and testing and casting light on main challenges and lessons learned.

With a focus on both theory and practice of Automated Driving Implementation and Testing, Hi-Drive invites researchers, Ph.D. students, developers, technicians, and other professionals to explore the potentials of AD, expand their expertise and networks, and present their research work to a number of academics and highly qualified professionals. The focus of the Hi-Drive 1st Summer School will be on the latest findings and main challenges in the areas of AD testing and validation covering the following thematic areas: **Learning-based AD perception and decision making; AD system-theoretic safety analysis; Mixing real-world testing with simulation testing; Collaborative driving testing; Human-CAV interaction testing.**

WHY ATTEND

Participants will familiarize themselves with new research directions in CAD testing related areas through a series of lectures held by international experts and will be given a chance to present their own work during a poster exhibition.

- Network with other people working in the field, meet distinguished scholars, and establish contacts for potential future research collaborations;
- Get inspired by some of the best of the best in AD RnD;
- Meet and interact with experts and peers in the AD field;
- Sneak a peak at the workings of the EU flagship project Hi-Drive;
- Gain exposure to state-of-the-art techniques and methods and get familiar with international standards relevant to AD testing;
- Attain deeper knowledge from new companies that came to assist the AD/automotive industry in the difficult task of meaningful testing and testing scaling-up;
- Present your research work and receive feedback from academics and highly qualified professionals in the field;
- Get fully prepared for the Hi-Drive 2nd Summer School in 2024!

BOOK YOUR ACCOMMODATION

The project offers discounted room rates* to all Hi-Drive 1st Summer School registrants!

The offer is valid until **18 June 2023. After that, rooms will be offered subject to availability.*

[Find Out More >>](#)

THEMATIC AREAS

The Hi-Drive 1st Summer School gathers academics and experts in the field of AD SW systems RnD with a focus on those systems' validation and safety argumentation aspects. Themes and sub-themes already considered for building up the program include the followings:

- **AD perception and decision-making development and testing**
 - Learning-based algorithms vs. statistical methods and available/generated datasets
 - Runtime monitors/explainability for AI-enabled modules
 - Safety argumentation building up (SoTIF)
 - **Trials and Methods for CAD systems verification**
 - Tools, methods, metrics for combining real-world testing with virtual testing (methodologies and tools)
 - Re-usable tests and scenarios
 - Connectivity technologies and CAD Testbeds
 - **Aspects of Human-AD system interaction**
 - Characteristics of ToRs in DiL experiments
 - User aspects in AV-non AV interactions in real traffic
 - Communicating the unseen: new HMIs based on CAD system info (eHMIs, augmented perception OBU)
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SPEAKERS

A stellar line-up of 12 speakers in the intersection of academia, industry, and standards worlds will cover different aspects of CAD Development and Testing in a full 2-day long International Summer School organised by the Hi-Drive project!

- Christian Neurohr, Researcher at DLR, Systems Engineering for Future Mobility Institute – Germany

- Lina Putze, Researcher at DLR, Systems Engineering for Future Mobility Institute – Germany
 - Jon Sadeghi, Senior Research Engineer at Five AI – UK
 - Georg Volk, Researcher at University of Tübingen, Dpt. of Computer Science, Embedded Systems – Germany
 - Marc-Michael Meinecke, Senior Researcher at Volkswagen – Germany
 - Felix Feng, Research Associate & Laboratory Manager at Imperial College London, Transport Systems and Logistics Laboratory – UK
 - Claudio Ettore Casetti, Full Professor at Politecnico di Torino, Department of Control and Computer Engineering – Italy
 - Konstantinos Mattas, Joint Research Centre (JRC), European Commission Ispra
 - Marcel Sonntag, Researcher, Institute for Automotive Engineering, RWTH Aachen University – Germany
 - Professor Alan Winfield (retired) at Bristol Robotics Laboratory (UWE), Chair in IEEE Standards Working Group P7001, Transparency of Autonomous Systems – UK
 - Aria Etemad, Hi-Drive coordinator, Volkswagen Group Innovation – Germany
 - Angelos Amditis, Research & Development Director at ICCS/NTUA, Chairman of ERTICO – Greece
- ... and more to be announced soon!
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CALL FOR POSTERS

A Student Poster exhibition (and optionally laptop-based demos) will be held in the reception hall during both days of the summer school. The poster exhibition is meant to host submissions by registered students offering them a place to discuss and disseminate their early work. All Ph.D. students, and young researchers that register to attend the summer school are encouraged to submit their posters by **07 July 2023**.

All poster submissions should include the final poster (A0 format - portrait), a title, a list of authors, and a short description of the work to be

presented.

Note: If we receive more than 15 applications, participants will be selected based on their work area and background, geographic distribution, and date of application. Notification of acceptance will be sent by July 14th.

[Submit your poster!](#)

Hi-Drive



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