

**Workshop title**

2nd International Workshop on Education in Autonomous Driving Technologies (WEinADT 2020)

**Workshop proposer(s)**

Alexander Carballo\*, David Robert Wong, Cristina Olaverri

**Abstract**

The Connected--Automated--Sharing & Electric (CASE) concept has been put to practice and is already starting a revolution towards a new society; traditional car manufacturers are shifting to mobility as a service (MaaS) providers, always connected and electric vehicles to enable reductions in pollution, provide mobility options for the aging societies, new business opportunities, and so on. We have seen several early-rider demonstrations for ride-sharing services in operation for passenger cars. Recently, there is a proliferation of companies entering this space, covering a range of operational design domains (ODD) to offer a broader set of mobility services, not only for passenger cars but also low speed automated driving (LSAD) solutions for delivery of goods, factory and construction automation, semi-stationary retailing vehicles and even real-estate. In the future consumers may also fully autonomous vehicles, which will require sales and service support for ever-evolving hardware and software capabilities.

With such commercialization, autonomous driving technologies (ADT) are being developed and customized by engineers with diverse backgrounds at large manufacturers and Tier 1 suppliers as well as small start-ups, potentially without the proper knowledge and awareness of the realities of related technologies. Managers, decision-makers and even salespeople also need to deepen their knowledge of such technologies. Furthermore, there is an increased demand for skilled personnel, which means not only more jobs for engineers but also training centers and higher education institutions.

In this 2nd International Workshop on Education in Autonomous Driving Technologies (WEinADT 2020) we seek to shed light on the above problems, both from researchers and industry. We aim to provide a platform to share our experiences, discuss best practices and define guidelines for education in ADT.

**Keywords**

- Other Theories, Applications, and Technologies
- ITS Policy, Design, Architecture and Standards
- ITS Field Tests and Implementation

**Topics of interest**

- Best training practices and essential curriculum in ADT
- Minimum technical skills required by engineers
- Functional safety for software and embedded systems in vehicles
- Safety measures and environment conditions for autonomous vehicle evaluations and risk assessment



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- Training for non-technical industry personnel
- Education for the general public and policymakers
- Experiences from training boot-camps and summer schools
- Standards for automated vehicles
- Legal aspects of self-driving vehicles