

focus topic

# Validation and Testing of Trained AI Methods

As one of its regular activities, the Tech Center a-drive organises workshops on focus topics in the domain of automated driving. This year's workshop will bring together two of the currently most discussed topics: *AI* and *validation and testing*.

The recent advances in AI methods are paving the way for a broad application of AI methods in automated driving. This raises the question of how such systems will be validated and tested to ensure their proper fit and overall safety in future systems. For this year's workshop we will tackle this question in a mix of overview, hands-on and in-depth presentations, bringing together international experts to discuss with you different approaches and needs for validation and testing of trained AI methods.

## Workshop 07/11/2019

Ulm University  
Research building N27  
James-Franck-Ring  
89081 Ulm  
Germany

### Registration Programme

#### Online:

[www.conftool.net/  
tc-adrive-2019/](http://www.conftool.net/tc-adrive-2019/)

#### Participation fee:

160 €  
including food and  
drinks during the day.

This year's workshop  
will be held in English.  
The number of  
participants is limited  
to 125.

- 9:30-9:40 Introduction of host Ulm University
- 9:40-10:00 Presentation Tech Center a-drive // *Prof. Dr. Klaus Dietmayer, Ulm University, Representative Tech Center a-drive*
- 10:00-10:20 Scenario-based virtual validation of AVs // *Dr. Henning Lategahn (atlatec)*
- 11:00-12:00 Quality, Labeling and Deep Learning // *Andreas Gruber (CMORE)*
- 12:00-13:00 AI Safety: Data, Algorithms, Methods // *Dr. Christian Müller (DFKI)*
- 14:00-15:00 The INTERACTION Data Set // *Prof. Arnaud de La Fortelle (ParisTech)*
- 15:00-16:00 Responsibility-Sensitive Safety Assessment // *Jack Weast (Intel)*
- 16:30-17:15 Safe AI: The next generation of German collaborative projects // *Cornelia Denk (BMW)*

The Tech Center a-drive is an initiative of the partners Daimler AG, atlatec GmbH, Ulm University, Karlsruhe Institut of Technology (KIT) and FZI Forschungszentrum Informatik funded by the state of Baden-Württemberg.