Cooperative Interactive Vehicles
Summer School 2018
Loire Valley, France
civ2018.org

The Summer School on “Cooperative Interacting Vehicles” aims at gathering Ph.D. students and Young Professionals from Universities and Research Institutions for tutorials, keynotes, poster presentations and interactive workshop sessions on

- Cooperative Perception
- Cooperative Motion Planning
- Implicit & Explicit Interaction

It is jointly organized by MINES ParisTech (France) and Karlsruhe Institute of Technology (KIT, Germany). We gratefully acknowledge support from the Priority Program “Cooperative Interacting Automobiles” of the German Science Foundation (DFG), the IEEE Intelligent Transportation Systems Society (ITSS) and the International Research Chair Drive for All (MINES ParisTech).

Please read carefully the following instructions before completing the application. They are designed to help in completing your application to the Summer School. These instructions are also provided on the website civ2018.org and only applications filled using the website will be considered.

We are looking forward to a fruitful and inspiring event.

Prof. Christoph Stiller (KIT)
Prof. Arnaud de La Fortelle (MINES ParisTech)
1. Reaching the venue

The Summer School Cooperative Interactive Vehicles will take place in Nouan-le-Fuzelier, in the beautiful Loire Valley of France.

The place can be reached by train from the Paris station “Austerlitz”. A bus might be organized from and to Paris, depending on demand. The cost for this transport is not included in the registration fees.
2. Summer School Agenda

The Summer School will take place in June between September 2\textsuperscript{nd} evening and September 5\textsuperscript{th} noon 2018.

\textbf{Sunday Sept. 2\textsuperscript{nd}}

19:00 Buffet diner
20:00 Get together reception

\textbf{Monday Sept. 3\textsuperscript{rd}}

8:00 Breakfast
8:30 – 8:45 Welcome and introduction
8:45 – 11:45 Cooperation techniques for Automated Vehicles
   Arnaud de La Fortelle, MINES ParisTech, France
11:45 – 13:00 Lunch break
13:00 – 14:00 Data fusion techniques for cooperative systems
   Dominique Gruyer, IFSTTAR, France
14:00 – 15:00 Intelligent Interaction between Vehicles and VRUs
   Miguel Ángel Sotelo, University of Alcalá, Spain
15:00 – 16:30 Interactive poster session with coffee
16:30 – 17:30 HMI and Human Factors
   Cristina Olaverri-Monreal, Technikum Wien, Austria
17:45 – 19:45 Team building activity (oenology)
20:00 Diner

\textbf{Tuesday Sept. 4\textsuperscript{th}}

8:00 Breakfast
8:30 – 11:00 Motion Planning for Automated Vehicles
   Christoph Stiller, KIT, Germany
11:00 – 12:00 Trusting and cooperating with increasingly autonomous vehicles
   John D. Lee, University of Wisconsin-Madison
12:00 – 13:30 Lunch break
13:30 – 14:30 An industrial vision of mass deployment
   Guillaume Devauchelle (Vice President, Innovation - Valeo)
14:30 – 15:30 When Machine Learning Meets Automobiles
   Ching-Yao Chan, University of California at Berkeley, USA
15:30 – 17:00 Interactive poster session with coffee
17:00 – 18:00 Communication for cooperation
   Jean-Marie Bonnin, Institut Mines-Telecom, France
18:00 – 19:00 Free time for exchanges
19:00 Diner

**Wednesday Sept. 5th**
8:00 Breakfast
8:30 – 9:30 Dr Tom Vöge (OECD)
   ITF-OECD Work on Cooperative Mobility Systems and Automated Driving
9:30 – 11:30 Interactive breakout session:
   Making cooperative vehicles socially aware?
11:30 – 12:30 Lunch break
12:30 – 14:00 Results of Breakout session

14:00 – 15:00 Conclusion and farewell
   Arnaud de La Fortelle