



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.

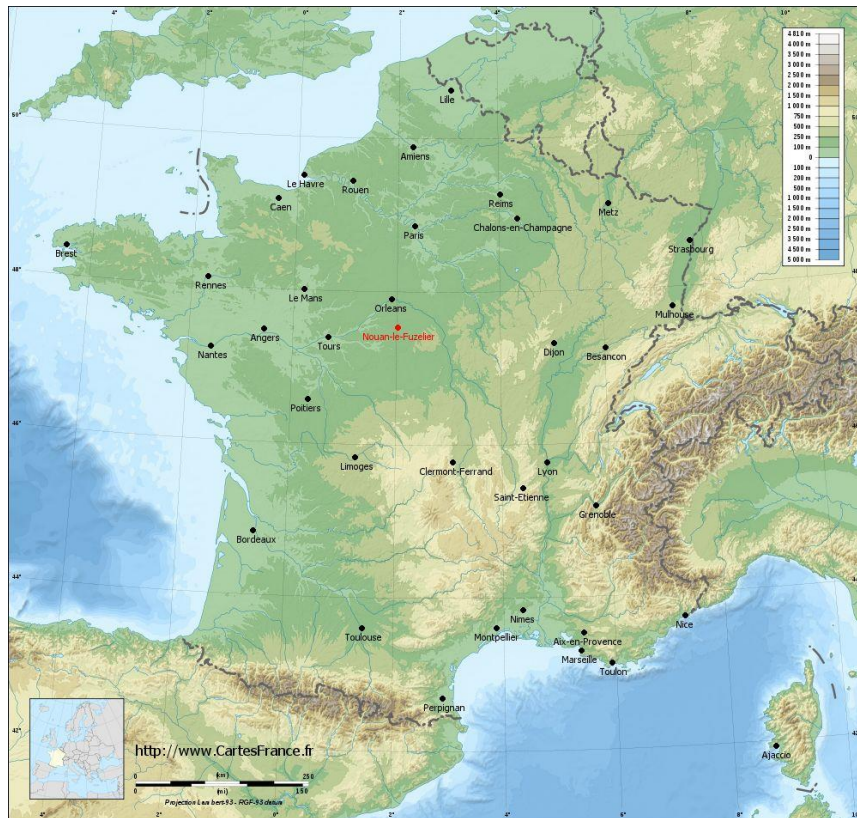
We are looking forward to a fruitful and inspiring event.

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 2nd evening and September 5th noon 2018.

Sunday Sept. 2nd

- 19:00 Buffet diner
- 20:00 Get together reception

Monday Sept. 3rd

- 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

Tuesday Sept. 4th

- 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