



## SMIV conference 2018 - VEDECOM

**27 november 2018**

**CCID- Versailles-Yvelines**

**21 Avenue de Paris, 78000 Versailles**

**8.30 am: welcome coffee**

### **Introduction**

**Philippe WATTEAU**, Chief Executive Officer

**Prof. Féthi BEN OUEZDOU**, Scientific Director, General Chair

### **1. Session « New Mobility Solutions and Virtual Reality »**

**Chairmans: Dr. Wilco BURGHOUT & Nicolas SOULIMAN**

- 9.00 – 10.00** "What changes are possible in the mobility of the future?"  
**Prof. Kay AXHAUSEN**, Chair of the Transport Planning at the ETH Zurich
- 10.00 – 10.25** "Urban congestion: risks and opportunities of autonomous vehicles"  
**Dr. Raphaël LAMOTTE**, PostDoc at EPFL, Lausanne.
- 10.25 – 10.50** "Ridesharing and empty vehicle management in autonomous taxi systems"  
**Tatiana BABICHEVA**, PhD VEDECOM student in the research project "New physical spaces", VEDECOM
- Break**
- 11.05 – 11.30** "Multi-Agent Simulation of Multimodal Transportation"  
**Dr. Mahdi ZARGAYOUNA**, Researcher in Computer Science at IFSTTAR
- 11.30– 11.55** "On driving simulators' (and VR experiments') validity"  
**Dr. Daniel MESTRE**, Senior researcher at ISM/CRVM – University of Aix Marseille
- 11.55– 12.20** "Semi-supervised deep learning models for the inference of human mobility flows."  
**Dr. Fouad HADJSELEM**, Researcher in Mathematics at VEDECOM

## 12.30 pm – 2 pm : Lunch buffet

### 2. Session « The Autonomous Vehicule and its Environnement»

Chairmans: **Dr. Guillaume BRESSON & Dr. Bertrand LEROY, VEDECOM**

**14.00 – 15.00** "Autonomous vehicles: the work done so far and the remaining challenges."  
**Prof. Denis GINGRAS**, LIV director at University of Sherbrooke

**15.00 – 15.25** "Pedestrian kinematics while crossing the street"  
**Dr. Jean-Louis HONEINE**, Research engineer in Human Factor at VEDECOM

**15.25 – 15.50** "Autonomous mobility and the transformations of urban and territorial public space."  
**Prof. Ander GORTAZAR BALERDI**, RAZ Co-founder & Researcher collaborator at Polytechnic University of Catalonia.

#### *Break*

**16.05 – 16.30** "Predicting other road users' maneuvers for autonomous driving"  
**Prof. Vincent JUDALET**, Researcher at VEDECOM & ESTACA

**16.30– 16.55** "Dynamic scene understanding: analysis, prediction and collision risk assessment"  
**Dr. Christian LAUGIER** – Senior Researcher & Research team leader at INRIA

**16.55 – 17.20** "V2X communications for connected automated mobility"  
**Dr. HdR Oyunchimeg SHAGDAR**, Research & Project leader at VEDECOM

### Conclusion

**17.20-17.30** **Prof. Féthi BEN OUEZDOU**, Scientific Director  
**Philippe WATTEAU**, Chief Executive Officer