



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