



SMIV conference 2018 - VEDECOM

November, 27th 2018
CCID - Versailles-Yvelines
21 Avenue de Paris, 78000 Versailles

8:30am: welcome coffee

Introduction

Philippe WATTEAU, Chief Executive Officer
Prof. Féthi BEN OUEZDOU, Scientific Director, General Chair

1. Session « New Mobility Solutions and Virtual Reality »

Chairmen: 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, VEDECOM PhD student in the research project
“New physical spaces”

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

12:20 -12:30 Questions – Discussions

12:30 pm – 2:00 pm: Lunch buffet

2. Session « The Autonomous Vehicle and its Environment»

Chairmen: 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 “Dynamic scene understanding: analysis, prediction and collision risk assessment”
Dr. Christian LAUGIER, Senior Researcher & Research team leader at INRIA

15:25 – 15:50 “Pedestrian kinematics while crossing the street”
Dr. Jean-Louis HONEINE, Research engineer in Human Factor at VEDECOM

Break

16:05 – 16:30 “Predicting other road users' maneuvers for autonomous driving”
Dr. Vincent JUDALET, Researcher at VEDECOM & ESTACA

16:30 – 16:55 “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.

16:55 – 17:20 “V2X communications for connected automated mobility”
Dr. HdR Oyunchimeg SHAGDAR, Research & Project leader at VEDECOM

Closing

17:20-17:30 **Prof. Féthi BEN OUEZDOU**, Scientific Director
Philippe WATTEAU, Chief Executive Officer