



PROGRAM

Monday 30th September

8:30 Welcome coffee and Registration

9:00 Welcome and Opening addresses

X. Longaygue, A. Sciarretta and G. De Nunzio, IFPEN

9:30 The future of road transport and emerging issues from advanced vehicle technologies

B. Ciuffo, European Commission Joint Research Centre

10:00 Effects of congestion on fuel consumption and how CAVs can help improve the situation - a simulation-based approach

M. Treiber, TU Dresden

10:30 Coffee break - Poster session

11:00 Framework of Simulation and Impact Assessment of Connected and Automated Traffic

N.-E. El Faouzi, IFSTTAR

11:30 Mix Fleet Assignment of Hybrid and Electric Buses with Opportunity Charging

F. Viti, M. Rinaldi, University of Luxembourg

12:00 Predictive routing and multi-objective fleet sizing for shared mobility-on-demand

J. Alonso-Mora, TU Delft

12:30 Lunch

13:50 Group photo

14:00 Models of competition and cooperation in ridesourcing mobility

J. Monteil, IBM Research

14:30 Learning to route

B. Yang, Aalborg University

15:00 Connected Vehicle Routing for Reducing Human Exposure to Traffic-Related Air Pollution

K. Boriboonsomsin, University of California Riverside

15:30 A unified approach for electric vehicles range maximization via eco-routing, eco-driving, and energy consumption prediction

G. De Nunzio, IFPEN



16:00 Coffee break - Poster session

16:30 Leveraging Connected Automated Vehicles to Reduce Transportation System Energy/Fuel Consumption

H. Rakha, Virginia Tech

17:00 Traffic control for sustainable freeway networks

S. Siri, S. Saccone, University of Genova

17:30 Traffic flow implications of autonomous and partially autonomous vehicles

M.L. Delle Monache, INRIA

18:00 End of day

19:00 Buffet dinner, Café Leffe, Rueil-Malmaison



Tuesday 1st October

8:30 Welcome coffee

9:00 Improving the energy efficiency of road transportation with connectivity and automation
G. Orosz, University of Michigan

9:30 Platooning and cooperative driving at freeway merges: impact on traffic flow and model based design
M. Wang, TU Delft

10:00 Automated heavy-duty vehicle platooning and its influence on traffic
K. H. Johansson, KTH Royal Institute of Technology

10:30 Coffee break - Poster session

11:00 Connectivity and planning as enablers for optimal control of commercial vehicles
L. Eriksson, Linköping University

11:30 Anticipative Guidance of Connected and Autonomous Cars for Energy Efficiency
A. Vahidi, Clemson University

12:00 Complete Vehicle Energy Management with Eco-Driving
M.C.F. Donkers, Eindhoven University of Technology

12:30 Lunch

14:00 Powertrain-specific optimal eco-driving control for connected and automated vehicles
D. Karbovski, Argonne National Laboratory

14:30 An Efficient Driving Scheme for a Partially Connected Vehicle Environment for Improving Traffic Performance
M.A.S Kamal, Gunma University

15:00 Optimal vehicle operation under traffic conditions
L. Del Re, Johannes Kepler University Linz

15:30 Coffee break - Poster session

16:00 Summary and Discussion

17:00 End of the workshop