Written on 03 February 2019 2 minutes of reading
Events

- Fundamental Research

- Sustainable mobility
- Environmental Analysis of Transport

30 September - 01 October 2019

IFPEN Scienc'Innov Workshop: Connected and Automated Vehicles for Energy Efficiency and the Environment (e3CAV); 30 Sept-1st Oct. 2019

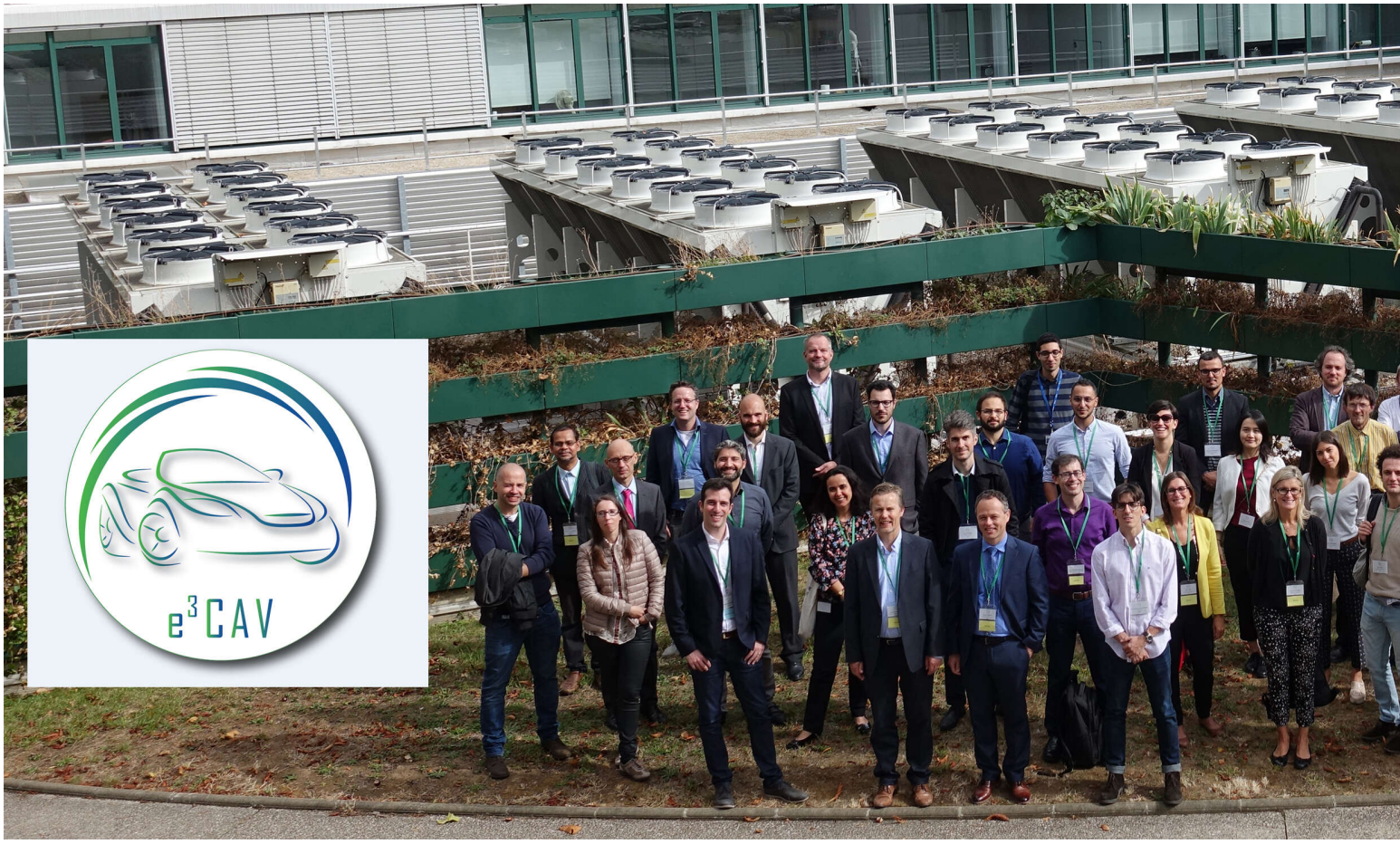
In recent years, a new research interest has emerged in sustainability and the environmental impact of mobility. The prospective large scale diffusion of connected and automated vehicles (CAVs) represents one of the most effective levers to improve the energy efficiency of transportation.

The two-day **e^{3}CAV** workshop organized by IFPEN aimed to host and promote discussion on how CAVs can serve the purpose of improving the sustainability of mobility. The workshop will focus on the latest outlooks and results related to:

- **vehicle trip planning**
- **vehicle trip operation**
- **transportation network planning**
- **transportation network operation**

We had the opportunity to bring together and foster discussion between experts from various scientific communities (automatic control, traffic flow theory, operations research) for the single objective of making transportation energy-efficient.

Connected vehicles



IFPEN Organization Committee

Scientific correspondents

Giovanni De Nunzio
Digital Science and Technology Division, IFPEN

Antonio Sciarretta
Digital Science and Technology Division, IFPEN

Organization

Nadine Burlot-Ferré
Institutional Relations and Communications Division

Invited speakers

J. Alonso-Mora
TU Delft (The Netherlands)

K. Boriboonsomsin
University of California Riverside (USA)

B. Ciuffo
JRC European Commission Joint Research Center (Italy)

M.L. Delle Monache
INRIA (France)

L. Del Re
Johannes Kepler University Linz (Austria)

M.C.F. Donkers
Eindhoven University of Technology (The Netherlands)

N.-E. El Faouzi
IFSTTAR (France)

L. Eriksson
Linköping University (Sweden)

K. Johansson
KTH Royal Institute of Technology in Stockholm (Sweden)

M.A.S. Kamal
Gunma University (Japan)

D. Karbowski
Argonne National Laboratory (USA)

M. Makridis
JRC European Commission Joint Research Center (Italy)

J. Monteil
IBM Research (Ireland)

G. Orosz
University of Michigan (USA)

H. Rakha
Virginia Tech (USA)

M. Rinaldi
University of Luxembourg (Luxembourg)

S. Sacone
Università di Genova (Italy)

S. Siri
Università di Genova (Italy)

M. Treiber
Dresden University (Germany)

A. Vahidi
Clemson University (USA)

F. Viti
University of Luxembourg (Luxembourg)

M. Wang
TU Delft (The Netherlands)

B. Yang
Aalborg University (Denmark)

Workshop highlights

Download the workshop highlights *(PDF - 552Ko)*

Booklet of abstracts

Download the booklet of abstracts *(PDF - 206Ko)*

You may also be interested in

Electric vehicles and digital technology | Helping driver optimize energy efficiency
CONNECTED AND AUTOMATED VEHICLES FOR ENERGY EFFICIENCY AND THE ENVIRONMENT (2019)
03 February 2019

Link to the web page :