



Written on 03 February 2019



2 minutes of reading



Events

Fundamental Research

Sustainable mobility

Connected Mobility



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 **e³CAV** 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)
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