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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 **e<sup>3</sup>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 \(PDF - 206Ko\)](#)

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[Electric vehicles and digital technology | Helping driver optimize energy efficiency](#)  
CONNECTED AND AUTOMATED VEHICLES FOR ENERGY EFFICIENCY AND THE  
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