

FINAL EVENT 2023

December 18, 2023

NTUA, Athens
Zografou Campus



A methodological framework for low-cost cooperative DGNSS/INS-based robust positioning in safety critical connected vehicle applications

09.00 – 09.30

REGISTRATION

09.30 – 09.50

Welcome Address

Vassilis Gikas, *RobPos4VApp* Coordinator, School of Rural, Surveying and Geoinformatics Engineering, NTUA, Greece
Ioannis Chatjigeorgiou, Rector of National Technical University of Athens, NTUA, Greece
Charalampos Ioannidis, Dean of School of Rural, Surveying and Geoinformatics Engineering, NTUA, Greece

09.50 – 10.10

Spatiotemporal data analysis for sustainability science

Laura Ruotsalainen, *University of Helsinki, Finland*

10.10 – 10.30

Multi-agent DGNSS collaborative navigation: Fundamentals, limitations, and new frontiers

Alex Minetto, *Polytechnic of Turin, Italy*

10.30 – 10.45

CAV applications requiring accurate positioning data: Considerations for RobPos4VApp project

Ioannis Papamichail, *Technical University of Crete, Greece*

10.45 – 11.00

Introduction to RobPos4VApp: objectives, approach and challenges

Vassilis Gikas, *School of Rural, Surveying and Geoinformatics Engineering, NTUA, Greece*

11.00 – 11.30

COFFEE BREAK

11.30 – 11.50

RobPos4VApp: Development and testing of MADM algorithms for optimal vehicle selection

Athanasios Panagopoulos / Theodore Kapsis, *School of Electrical and Computer Engineering, NTUA, Greece*

11.50 – 12.10

RobPos4VApp: The C-DGNSS/INS position algorithm and performance evaluation

Thanassis Mpimis, *School of Rural, Surveying and Geoinformatics Engineering, NTUA, Greece*

12.10 – 12.30

Dynamic road traffic management for connected and automated vehicles

Evangelos Mitsakis, *Centre for Research and Technology Hellas, Hellenic Institute of Transport, Greece*

12.30 – 12.50

Artificial Intelligence for Connected Vehicles Traffic Safety

George Yannis, *School of Civil Engineering, NTUA, Greece*

12.50 – 13.00

Closing Remarks

13.00 – 14.00

LUNCH BUFFET

<http://robpos4vapp.survey.ntua.gr/>

1st Call for H.F.R.I. Research Projects to Support Faculty Members & Researchers and Procure High-Value Research Equipment



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Research and Innovation