



SHORT LIST

Key research themes:
Autonomous Vehicles, Electric Vehicles, Cooperative Intelligent Transport Systems, Physical and Digital Infrastructure

Nicolas Hautière
Université Gustave Eiffel

Category: Road

Country: France

After ten years of research in computer vision applied to cooperative intelligent transport systems and autonomous mobility, Dr Hautière's current mission is to initiate, develop and manage novel instruments of research and innovation which allow the transfer of research results in the area of the renewed intelligence of vectors and infrastructures for mobility, while supporting infrastructure innovation and adaptation policies at every level. Since 2014 he has participated in 10 EU funded projects including the most recent SMARTI ETN (European Training Network on Sustainable Multi-functional Automated Resilient Transport Infrastructures, 2017-22), BISON (Biodiversity and Infrastructure Synergies and Opportunities for European Transport Networks, 2021-23) and Augmented CCAM (Augmenting and Evaluating the Physical and Digital Infrastructure for CCAM deployment, 2022-25).



SHORT LIST

Key research themes:
Autonomous systems; control theory; connected automated driving; testing and validation.

Selim Solmaz
Virtual Vehicle Research GmbH

Category: Road

Country: Austria

Within the EU-funded project INFRAMIX (Road Infrastructure ready for mixed vehicle traffic flows, 2017-20) Dr Solmaz was the technical lead for developing a vehicle-in-the-loop testing methodology, named the "Hybrid Testing Methodology", which enabled the testing of critical virtual traffic scenarios in a safe test environment with a real automated driving demonstrator vehicle. This work inspired several more research projects with partners, including two further EU projects ESRIUM (EGNSS-ENABLED SMART ROAD INFRASTRUCTURE USAGE AND MAINTENANCE FOR INCREASED ENERGY EFFICIENCY AND SAFETY ON EUROPEAN ROAD NETWORKS, 2020-23) and HADRIMAN (Holistic Approach for Driver Role Integration and Automation Allocation for European Mobility Needs, 2019-23).