Enhancing Research and innovation dimension of the University of Žilina in intelligent transport systems

Vision

The University of Žilina (UNIZA) becomes a unique innovation hub and a leading European institution in Intelligent Transport Systems (ITS) research and innovation. Awareness about ITS research activities at UNIZA is increased within the European Research Area.

Mission

To Contribute to Scientific Excellence in ITS and support regional innovation strategies fostering Economic and social development.

To build an attractive and internationally competitive environment at UNIZA through the development of human resources and maximization of research infrastructure exploitation.

Expected Results

- Attractiveness of UNIZA and the Žilina Region for Excellent researchers will be increased.
- ITS Research Excellence will be achieved at UNIZA.
- Higher participation of UNIZA in Horizon 2020 and other competitive funding programmes.
- National and International cooperation will be strengthened with stakeholders, innovative business partners, research institutions and professional associations.
- Interaction with regional and national authorities will be enhanced in designing and implementing research and innovation strategies and policies for the SMART specialization.
- Effective and direct contribution to regional and national economic and social development plans.

Main Research & Innovation Themes

- Development of research infrastructure
  - Created strong relationship with different types of Stakeholders in the field of ITS, such as EGTIC TRITA, CVTI, the region of Žilina, Global Logic, Siemens, Orange SK and Sygic which led to project proposal and exchange of knowledge.
  - Involvement in 4 COST Actions (TU1305-Social Networks and Travel Behaviour, CA1622-Wider Impacts and Scenario Evaluation of Autonomous and Connected Transport, CA15212-Citizens Science and TO1408-Interdisciplinarity in research programming and funding cycles).

Main Outcomes

- R&I co-operations
  - Preparation of project proposals (#16),
  - Support for project proposals (#3).
- ERA knowledge and best practices transfer
  - Education in the field of ITS (Seminars and Lecture series),
  - Support for regional and/or national smart specialisation strategies,
  - Strategic partnerships,
  - Cross-cutting issues covering:
  - Attracting skilled employees and researchers,
  - Quality management,
  - Applying ERA priorities,
  - Internationalisation.

Selected Results

Workshop and Scientific Conference Organisation

Forcoming Event

Mobility and Time Value (MoTiV)
H2020 Research & Innovation Action

www.MoTiVproject.eu

The project activities are based on four pillars:

- Conceptual: a new definition and methodology for the estimation of value of travel time (VTT).
- Technological: MoTiV app used to collect data about travelers’ mobility behaviour, with a special focus on the experienced value of time.
- Organisational: European-wide data collection campaigns.
- Analytical: analysis on the changing VTT from an individual traveler’s perspective.

A holistic approach to Value of Travel Time (VTT) estimation

MoTiV addresses the emerging topic of exploring the dynamics of individual preferences, behaviours and lifestyles that influence time use in mobility contexts.