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Frank Michelberger

Austrian Federal Ministry for Transport, Innovation and Technology
Unit of Mobility and Transport Technologies, Wien/Vienna, A

Speaker Qualification

Frank Michelberger studied mechanical engineering at the University of Applied Sciences in Ravensburg-Weingarten, Germany. He received his master degree in 2000.

Since 2005 he is studying management of environment and bio resources at BOKU - University of Natural Resources and Applied Life Sciences, Vienna.

From 2001 to 2005 he worked for the Austrian Federal Railways in the company ÖBB-Traktion GmbH.

Since 2006 he works for the Austrian Federal Ministry for Transport, Innovation and Technology where he is responsible for the research funding programme “I2V – Intermodality and Interoperability of Transport Systems”.

Research in progress - Research funding and promotion activities of the Austrian Federal Ministry for Transport, Innovation and Technology

Abstract

Social, economic and technological developments are imposing increasingly complex demands on the transport system and its capacity. New technologies and innovations can make a key contribution towards designing sustainable, intelligent mobility and transport systems and are opening up new business opportunities for the transport engineering sector.

The economy profits not only from an efficient transport system, but also from the market launch and dissemination of new products and services. Transport technologies therefore make a vital contribution to improving economic competitiveness and safeguarding Austria as a business location.

Given the strong growth in transport – forecasts for 2020 predict an increase in goods transport of 30 percent and in passenger transport of 20 percent – and given the particular transport policy and environmental policy challenges currently faced (for example: climate protection goals), in the Seventh Framework Programme of the European Community for Research and Technological Development (2007 - 2013), the area of transport was defined as a strategic focus for research, with a significantly enhanced research budget.

Research in progress - Research funding and promotion activities of the Austrian Federal Ministry for Transport, Innovation and Technology

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With 2007 the Federal Ministry of Transport, Innovation and Technology started “IV2Splus - Intelligent Transport Systems and Services plus” the Austrian strategy programme for promoting research and development in the field of mobility and transport technologies. This programme operates as a continuation of the successful forerunner programme IV2S (2002 - 2006), but goes beyond IV2S in significant aspects and establishes new emphases and core areas of content. The programme focuses on expanding excellence in research and development through stronger international embedding of successfully established national R&D competences, with the goal of increased integration of these competences into international, industrial, value-creation chains. Austria should thereby also make a significant contribution to the development of future transport and mobility solutions at European level.

The IV2Splus strategy programme comprises four programme lines that will be presented in the speech:

A3plus – Alternative Propulsion Systems and Fuels
I2V – Intermodality and Interoperability of Transport Systems
ways2go – Innovation and Technology for Evolving Mobility Needs
IMPULS – Basic Research for Innovations in Transport