Rail and high-speed rail research trends in the Czech Republic

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Time 10:45am - 11:30am
Venue P7303, 7/F, AC1

Abstract

The first part of the presentation will introduce research directions explored by the railway research group at the Department of Logistics and Transportation Management, Faculty of Transportation Sciences of the Czech Technical University in Prague with focus on planned high-speed rail network in the Czech Republic. Design of the proposed high-speed rail network including major hubs, transfer points between high-speed and non-high-speed trains as well as train scheduling will be introduced. The second part of the presentation will show a proposal on cooperation between airlines and high-speed rail operators on a model network.

About the Speaker

Tomas Horak completed his Master and Ph.D. studies at the Faculty of Transportation Sciences of the Czech Technical University in Prague, Czech Republic. During his Master study he was with the Department of Transportation Economics and Management at the Czech Technical University. He visited the Faculty of Economics, University of Ljubljana, Slovenia, for one year as an Erasmus exchange student.
While pursuing Ph.D. degree he joined the Department of Logistics. For two years he studied at the Zhejiang University in Hangzhou, China, as a Ph.D. exchange student. His dissertation thesis was focused on competition and cooperation between high-speed rail and air transportation. The Ph.D. thesis was completed during his half-year research stay at The University of Texas at El Paso, USA.

He is currently working as an assistant professor at the Department of Logistics, Faculty of Transportation Sciences, Czech Technical University. He is teaching courses and seminars on transportation logistics and project management in transportation. Besides high-speed rail and air transportation he is interested in public transportation. Since 2010 he has worked as a deputy coordinator of the dual-degree Master program between the Czech Technical University, The University of Texas at El Paso and the University of Zilina. He was recently appointed as the faculty’s deputy vice-dean for international relations.

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