

R&D Profile Form



Name of the Organisation	University of Zagreb, Faculty of transport and traffic sciences, Department of ITS
Organisation Short Name	FTTS
Organisation Type	University - Higher education, research organisation
Country	Croatia
Fields of Activity	<ul style="list-style-type: none"> • road traffic flow simulations and optimizations • signalized intersections cycle optimizations • research on telematics for road traffic flow optimizations (sensor technologies, vehicle-2-vehicle and vehicle-2-infrastructure communications) • research on new technologies to reduce unnecessary traffic flows in urban areas • research on implementation of car-sharing concepts in urban areas • research on priority of public transport systems • research on city logistics solutions in urban traffic flow optimizations
Skills and Expertise Offered	<ul style="list-style-type: none"> • simulation modelling of urban road traffic • optimizations of signalized intersection cycles • implementing new widespread IT technologies (ie. Bluetooth) for gathering real time traffic flow informations • alternative ways for determining vehicle location in urban areas • new ideas regarding traffic infrastructure management optimization in urban areas • new ideas on v2v and v2c communication concepts
Keywords	road, traffic flow, optimization, telematics, IT, simulation, modelling
Previous FP Projects Participated	no
Topic(s) Interested	<ul style="list-style-type: none"> • SST.2011.2.1-1. Efficient interfaces between transport modes • SST.2011.4.1-1. Design of vehicle safety systems for a better protection of vulnerable road users and other under-protected and less safe user groups • SST.2011.5.2-2. Advanced and cost effective road infrastructure construction, management and maintenance • SST.2011.3.4-1. Design, implement and test innovative strategies for sustainable urban transport • Galileo.2011.1.4-1. Use of EGNOS and Galileo for safety-of-life applications for all transport modes



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