R&D Profile Form

Name of the Organisation	Advanced Control Team, Department of Control and Computer Engineering, Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia.
Organisation Short Name	UNIZG-FER
Organisation Type	Reaserch and higher education
Country	Croatia
Fields of Activity	Autonomous vehicles navigation, Intelligent space, Optimal, Intelligent, and Distributed control, Renewable energy applications
Skills and Expertise Offered	Autonomous vehicle localization, path planning and obstacle avoidance, Control of complex systems (tram car, trains, autonomous cars, wind and solar farms), State estimation in non-linear systems, Optimal rail route energy managment
Keywords	Autonomous vehicle, Model Predictive Control. 3D modeling, Multisensor fusion, Sliding mode control, Real-time optimization
Previous FP Projects Participated	AEOLUS - Distributed Control of Large-Scale Offshore Wind Farms
Research topic(s) of interes	State estimation of nonlinear systems, Autonomous vehicles navigation algorithms, Optimal energy management, Distributed vehicle control, Real-time vision systems
Contact Person	Prof. Ivan Petrović
Position in the Organisation	Head of the Department of Control and Computer Engineering
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Please send filled in form by 25. 3. 2011 to: fg.tec@uni-mb.si