

## R&D Profile Form

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| <b>Name of the Organisation</b>          | University of Ljubljana, Faculty of Mechanical Engineering, Department of Modelling in Engineering Sciences and Medicine  |
| <b>Organisation Short Name</b>           | KmTM  |
| <b>Organisation Type</b>                 | Academic, Education, Research and Development   |
| <b>Country</b>                           | Slovenia  |
| <b>Fields of Activity</b>                | Modeling and simulation of events in traffic, Measurement of physical quantities in Human-Vehicle-Roadway systems   |
| <b>Skills and Expertise Offered</b>      | Vehicle and human body modelling (multibody, FME). Measurement setups on vehicles, infrastructure and human body (kinematics, kinetics, video and processing, vehicle operation parameters). Development of software for 3D visualisation and simulation. Development of GIS and database systems |
| <b>Keywords</b>                          | modelling, simulation, vehicles, situations in traffic, software, GIS   |
| <b>Previous FP Projects Participated</b> | none  |
| <b>Research topic(s) of interest</b>     | measurement and modelling of Human-Vehicle-Roadway systems, software development, GIS systems   |
| <b>Contact Person</b>                    | prof. dr. Ivan Prebil   |
| <b>Position in the Organisation</b>      | head of KmTM  |
| <b>Tel</b>                               | +386 1 4771 508   |
| <b>Email</b>                             | ivan.prebil@fs.uni-lj.si  |
| <b>URL</b>                               | http://lab.fs.uni-lj.si/cemek   |

Please send filled in form by 25. 3. 2011 to: [fg.tec@uni-mb.si](mailto:fg.tec@uni-mb.si)