

6th EUROSIM Congress on Modelling and Simulation
September 9-13, 2007
Ljubljana, Slovenia



<http://www.eurosim2007.org>

Announcement of a special session:

Increased Predictability of Crash Models

Due to continuous reduction of development time and costs the reliability of virtual methods e.g. FEM has to be increased. This affects the characterization of the material behaviour including material failure, modelling of connectors, incorporation of manufacturing effects in crash simulations, modelling of barriers and dummies or the modelling of smart restraint systems. Additionally robustness considerations have to be performed within the virtual world to get a good correlation between simulation results and real life tests. This way the predictability of numerical methods has to be enhanced to step forward towards the ambitious goal of the virtual prototype.

My intention is to organize a session on issues in new and advanced modelling and simulation techniques in the field of passive safety.

Specific topics include various aspects of modelling and simulation of:

- Predefined models for safety (e.g. dummies)
- Numerical Methods for Advanced Safety Strategies
- Modelling Connectors like Spotwelds or Bondings
- Material Modelling for Crash Simulations
- Incorporation of Fabrication Effects in Crash Simulations
- Failure Prediction for Crash Simulations
- Multidisciplinary Simulation and Optimization
- Robustness of Crash Models

Session organizer:

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Deadlines:

Announcement of a contribution (to facilitate session organization):
1 March 2007 (by E-mail to the session organizer)

Submission of 2 page extended abstract or draft paper:
30 April 2007 (by E-mail to the session organizer)

Acceptance notification after paper review:
30 May 2007

Full paper (camera ready) due to:
30 June 2007 (to the conference server with copy to the session organizer)
See also instructions: <http://www.eurosim2007.org/Instructions.html>

Arno Eichberger