

Call for Papers / Invitation to Special Session SS04

Interoperability within engineering of manufacturing Systems

Special Session co-Chairs

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Engineering processes and tools are gaining economical importance within the overall life cycle of manufacturing systems. Recent research activities in the field increasingly address the interoperability within the tool chain of these engineering processes. This tool chain is characterised by a magnitude of highly specialised tools able to fulfil its special purposes in a high quality with a high efficiency. Nevertheless, most tools lack with respect to tool interoperability within the complete engineering chain. But this interoperability has got a key factory for the overall engineering quality and efficiency which now has become a key factor for economical success of producing companies. To overcome this problem several research activities address the lossless and consistent data exchange among engineering tools of different engineering disciplines, engineering models, etc. Within these research activities are considered:

- the application of mechatronical units within engineering processes,
- information exchange between different activities of the engineering chain,
- data exchange among tools of the engineering chain,
- interaction of different shareholders within the engineering chain,
- consistency within the engineering chain, and
- model based data transformation.

The intention of the special session is to bring together the different research activities and to enable an overview about reached results and required further research within this field. All authors considering the named research fields are asked to submit relevant papers.

SUBMISSION OF PAPERS

Papers are to be submitted electronically. For further details, please consult the conference web pages.

AUTHOR'S SCHEDULE

Deadline for submission of papers: March 15, 2010

Notification of papers acceptance: May 9, 2010

Final manuscripts due: June 17, 2010

SESSION ORGANIZERS

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