

IFAC MIM '2013

Call for papers - Special session:

Product Lifecycle Management and Product Design Support Systems

Session Chairs and Organizers

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Scope

Product Lifecycle Management (PLM) is one of innovative manufacturing paradigms which leverage e-business technologies to allow a company's product content to be developed and integrated with all company business processes through the extended enterprise. For the successful achievement to PLM, the management, creation, collaboration of all product and manufacturing related information is essential. Current and modern PLM systems have to investigate and provide necessary IT solutions and support systems for managing, using product data and information to optimize processes during the design and manufacturing phases.

This special session aims at increasing the body of knowledge for this specific area of requirements engineering by providing a forum to exchange ideas and publish results. It will build and shape the community of leading practitioners and research experts.

Given the relevance of product management in IT and software companies, and the rather unexplored scientific contribution in this field, the special session will deliver a summary of the available scientific and practical knowledge on PLM, as well as an overview of areas for further research.

Topics:

- Product management and requirements management
- Product management processes
- Service oriented architecture for PLM
- Ontology-based systems to support product development and PLM
- Modelling and simulation
- Measuring and improving the performance of the product manager
- Case studies
- Product management at SME's
- Tools for product management and optimization
- Decision support systems