**CALL FOR PAPERS**

**Special Issue of International Journal of Concurrent Engineering: Research and Applications (CERA)**

Journal web site:  
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"Collaborative Product Development"

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(visit: http://www.utt.fr/labos/page_perso/eynard/fichiers/cfp_cera_cpd.pdf)

The needs for an efficient and close cooperation between product development teams represent a major challenge and at the same time many opportunities for many multi-national companies of numerous industrial sectors (aeronautics, automotive, consumer goods, electronics, etc.). The current advances of information and communication technology especially internet and web based technologies enable the geographically distributed and remote project groups to exchange and share product data and information in an extended enterprise or a network of companies. Those data and information increasingly deal with the issues of much design and manufacture phases and covers the definition of whole product lifecycle. In addition, globalization and business specialization have resulted in a demanding requirement for wider collaboration and cooperation.

Under these technological and social developments, collaborative product development is a holistic integrated design and manufacture process aiming to address various stages of the product life-cycle issue and the following stages are of particular interests to many enterprises, namely, requirements clarification, preliminary design, detailed design, production engineering and the general life-cycle phases. Additionally, the capture and integration of knowledge and practical know-how in phases such as manufacturing, assembly, maintenance, recycling, etc. into collaborative product development is imperative to the success of more responsive and agile companies in a very competitive commercial world.

Original contributions of both theoretical and practical nature are welcome, as well as survey reviews or perspective and future developments mainly in the field of organizational methodologies or ICT implementations enabling efficient carrying out collaborative product development projects.
Topics of interest include, but are not limited to:

- Collaborative Holistic and Product Life-Cycle Design, Design Coordination
- Extended Enterprise and Virtual Enterprise for Product Development
- Integration and Cooperative Methodologies in Design
- Internet based Product Development
- Visualisation Techniques for Collaborative Design
- Modelling tools for Collaborative Design
- Organizational and Management Approaches in Product Development
- Product Life-cycle Management (PLM), Product Data Management (PDM)
- CAD/CAM, Computer-Aided x (CAx)
- Enterprise Resources Planning (ERP) in Design and Manufacture
- Supply Chain Management (SCM) and Customer Relationship Management (CRM) Applications for Product Development
- Product Data Exchange and Systems Interoperability
- Innovative Information Communication and Technology (ICT)
- Collaborative and Co-working Environments
- Latest Applications of CSCW and Groupware in Design and Manufacture.

Issues, methods and techniques combining themes such as engineering design, manufacture, computer, information system, web applications, project management or human science are also of interest to the special issue.

The special issue aims at providing a full overview on the current state of the art and capturing a consistent and relevant picture in the field of research works and industrial applications in collaborative product development.

We would like to invite researchers in the filed to submit your work. Please submit papers in electronic form to:

benoit.eynard@utt.fr or x.yan@cad.strath.ac.uk

Papers will be reviewed by a committee in order to select papers for publication in the special issue. Those papers, which rank well in quality, long-term reference value, originality, relevancy, and presentations, will be considered favorably for the special issue of CERA.

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