



Second Announcement and Final Call for Papers 2nd IFIP Topical Session on **Computer-Aided Innovation** Integration of CAI systems in the Product Development cycle

Hold in conjunction with 20th IFIP World
Computer Congress
September 7-10, 2008, Milan, IT
<http://www.wcc2008.org>

Sponsoring IFIP WG:

5.4: Computer Aided Innovation

Program chairs:

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Co-sponsoring organization:

Alintec – Center for Systematic innovation
University of Bergamo

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DEADLINES:

Full paper submission⁽¹⁾: **March 15th, 2008**
Notification of acceptance and comments of
the reviewers: **April 19th, 2008**
Camera ready manuscript: **May 10th, 2008**

⁽¹⁾ High quality papers relevant to the
conference topics will be considered for
publication even if no abstract has been sent
by January 17th

⁽²⁾ Due to the high number of submissions a
number of papers will be accepted for poster
presentations. Both podium presentations and
posters will be published in the form of full
papers in the conference proceedings

Scope and Topics:

Computer-Aided Innovation is emerging as a strategic domain
of research and application to support enterprises throughout
the overall innovation process.

WG5.4 of IFIP has already promoted two successful
conferences fully dedicated to CAI systems development and
implementation.

The goal of the Topical Session within WCC2008 is to provide a
survey of existing technologies and research activities in the
field, both to experts and interested members from any other
IFIP WGs.

Moreover it is aimed at identifying opportunities of integration
of CAI with other PLM systems and at promoting collaborations
and synergies.

Preliminary Program and Topics:

1st Day – State-of-the-Art of CAI systems

- 1st Half day session:
 - o Conceptual framework for CAI systems development
 - o Process and Product modelling techniques for
Conceptual Design
 - o Software tools supporting inventive activities
 - o Optimization systems
 - o Knowledge Management systems for Innovation
- 2nd Half day session: extended round-table about the role
of computers in Innovation-related activities:
 - o establishing the differences between innovation,
invention and optimization
 - o identifying the requirements for CAI systems

*2nd Day – Integrated Product Innovation and Development
(members of other WGs of IFIP are invited to submit
contributions to highlight opportunities for collaborations and
joined projects):*

- How to integrate CAI systems in the Product Cycle?
- How to link CAI tools with existing PLM systems?
- How to identify and create collaboration opportunities
among IFIP WGs and WG5.4

*Poster Session⁽²⁾ - Integration of CAI systems in the Product
Development cycle*

Submissions must comply with standards specified at the
Springer IFIP site: <http://springer.com/series/6102>.

Papers shouldn't exceed 12 pages. All published papers will be
double-blind refereed by at least two reviewers. Revised version
of best papers will be considered for submission to a special
issue of an international journal.