8TH EUROPEAN CONCURRENT ENGINEERING CONFERENCE'2001

Concurrent Engineering: The Path To Electronic Business

Organized and sponsored by:
The Society for Computer Simulation International
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CASS   The Chinese Association for System Simulation
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JSST   The Japanese Society for Simulation Technology
LSS   The Latvian Simulation Society
PSS   The Polish Simulation Society
TSS   The Turkish Simulation Society

VENUE

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The ECEC 2001 will be co-located with the EUROMEDIA 2001 (Multimedia, Telematics, and Web Technology) conference and e-business will be added as an additional focus. Paying registration for either one of the conferences allows you to visit sessions from both conferences.

CONFERENCE AIM

The conference aim of ECEC'2001 is to provide European Researchers with a forum, where they can discuss the latest developments linked to concurrent engineering focused on European research projects. ECEC'2001 aims to identify the progress that has been made in Concurrent Engineering over the last year. A special focus of the ECEC'2001 will be on electronic business and it's implications for CE. The ECEC helps the dissemination of information and exploitation of results from the research and technical development and provides a forum for the exchange of experiences in developing and implementing CE based solutions across the wide spectrum of manufacturing and engineering industries. The conference is target at industrial enterprises, industrial associations, universities and research institutes.

WHO SHOULD ATTEND

The conference will be of direct benefit to process, production, design or development managers in manufacturing, strategic directors, quality managers and technical directors. The conference will also be of interest to industrial and academic

SCIENTIFIC PROGRAMME

The 2001 SCS Concurrent Engineering Europe Conference is structured around the following ten major topics. A track will be devoted to each of these topics in parallel. The conference language is English.

1 E-Business in CE

1.1 Organizational influences of e-business
1.2 B2B business models for inter-organizational CE
1.3 Migration to e-business based CE
1.4 E-business applications for CE
1.5 B2B portals for CE
1.6 Emerging standards (e.g. XML)

2 Organization and Management

2.1 Principles of CE
2.2 Multi-disciplined team-working and project team organization
2.3 Global product development and international collaboration
2.4 Life-cycle cost and quality
2.5 Business process re-engineering and outsourcing
2.6 Supply chain management
2.7 Measurement of profitability by the introduction of CE

3 Implementation Techniques

3.1 Digital Mock-Up, rapid and virtual prototyping
3.2 Distributed and co-operative product development
3.3 Synthetic environments and simulation on the factory floor
3.4 Reverse engineering
3.5 Assembly and disassembly
3.6 High precision manufacturing
3.7 Sensor and robot assisted machining

4 Formal Methods and Techniques

4.1 Quality function deployment
4.2 Total quality management
4.3 Global optimization techniques and hybrid approaches

5 Process Modeling

5.1 Process planning in continuous, discrete and hybrid processes
5.2 Process modeling, monitoring and control
5.3 Diagnostics and maintenance
5.4 Automated inspection and quality control
5.5 Production planning, scheduling and control

SCIENTIFIC PROGRAMME

6 Engineering Data Management and Information Modeling

6.1 Integration of geometrical data and product definition
6.2 Product data interchange (PDI) and standards
6.3 Data handling, distribution and transformation
6.4 Data version control and release management
6.5 Corporate technical memory
6.6 Design rationale and intent

7 Engineering Process Management

7.1 Engineering process modeling
7.2 CE metrics
7.3 CE process planning, scheduling and simulation
7.4 Workflow-management in CE
7.5 Project and team coordination

8 Collaborative CE Environments for Virtual Teams

8.1 Cooperative problem solving
8.2 CSCW methods and tools
8.3 Information and application sharing
8.4 Computer-based video and audio conferencing
8.5 Conflict resolution techniques
8.6 Constraint management
8.7 Negotiation, blackboard and agent-based architecture

9 Networking and distribution in CE

9.1 CORBA based environments and integrated frameworks
9.2 Architectures for building CE systems
9.3 CE languages and tools
9.4 Distributed computing environments
9.5 WWW based CE systems

10 Practical Applications and Experiences

10.1 Practical solutions
10.2 Systematic guide-lines
10.3 Pitfalls and success stories
10.4 Case studies, pilot projects and experiments
10.5 E-business applications in CE

directors. The conference will also be of interest to industrial and academic researchers.

CONFERENCE COMMITTEE

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KEYNOTE AND INVITED SPEAKERS

ECEC´2001 will feature one Keynote Speaker and two Invited Speakers.
Focusing on the main tracks of the Conference, invited speakers will give special in-depth presentations in plenary sessions, which will be included in the Proceedings of the Conference. Next to the ordinary sessions, workshops will be held where participants can discuss their research, set up joint research projects or help each other to solve problems; the so-called partners-for-projects sessions.

BEST PAPER AWARD

The 2001 European Concurrent Engineering Conference will award the best paper. From all full paper submissions, the overall best paper of the conference will be chosen. We will try to have the awarded paper published in an International Journal, after incorporating modifications in the paper, if necessary.

EXHIBITS

An exhibition will be held in the central hall where all participants meet for coffee and tea. There will be a special exhibition section for universities and non-profit organizations, and a special section for publishers and commercial stands. If you would like to participate, please contact the SCS European Office. Authors can also exhibit their tools which feature in their demonstrations.

VENDOR SESSIONS, DEMONSTRATIONS AND VIDEO PRESENTATIONS

For demonstrations or video sessions, please contact SCS International at the European Office. Special sessions within the scientific program will be set up for vendor presentations.

OTHER ORGANIZED MEETINGS

A Special Blue Sky meeting will be organized for those attending the conference so that the future of the Concurrent Engineering Europe can be discussed and mapped out.

CORRESPONDENCE ADDRESS

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Further information about the 2001 European Concurrent Engineering Conference can be found on WWW under: http://hobbes.rug.ac.be/~scs/conf/ecec2001

DEADLINES AND REQUIREMENTS

Submissions are due to arrive in QUADRUPLICATE at the SCS European Simulation Office before **December 15, 2000**. Participants may either submit one page of abstract or a full paper submission of approximately 5 pages. Full paper submissions will be reviewed by three members of the International Program Committee and considered for the best paper award. Abstracts will be reviewed by only one member of the International Program Committee. Notification of acceptance or rejection will be sent by **January 15, 2001**.
Only original papers, written in English, which have not previously been published elsewhere will be accepted. In case you want to organize a panel discussion, please contact the program chairmen.
Authors are expected to register early (at a reduced fee) and to attend the conference at their own expense to present the accepted papers. If early registration and payment are not made, the paper will not be published in the conference proceedings. In the case of multi-authors, one author should be identified as the person who will act as correspondent for the paper.
An author kit with complete instruction for preparing a camera-ready copy for the proceedings will be sent to authors of accepted papers. The camera-ready copy of the papers accompanied by an electronic version in MS Word or Latex must be in by **March 10, 2001**. The final manuscript for full papers are expected to be 5 pages long where as the short papers are approximately 3 pages long. In order to guarantee a high-quality conference, the full papers will be reviewed to check whether the suggestions of the program committee have been incorporated. The nominees for the best paper awards will be selected as well.

Submission Deadline :	**December 15, 2000**
Acceptance Notification :	**January 15, 2001**
Camera-Ready Copies :	**March 10, 2001**

REGISTRATION FEES

Registration Fees	Authors	SCS/EUROSIM Members	Other Participants
Pre-Registration before March 10, 2000	475 Euro	475Euro	525 Euro
Registration after March 10, 2000	Pre-registration Required	525 Euro	575Euro

The registration fee includes one copy of the Conference Proceedings, coffee and tea during the breaks, all lunches, a welcome cocktail and the conference dinner.

CONFERENCE COMMITTEE

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Yes, I intend to attend the 2001 Concurrent Engineering Europe Conference:
[] Proposing a paper
[] Proposing a panel discussion
[] Participating in a vendor session
[] Contributing to the exhibition
[] Without presenting a paper

The provisional title of my paper / poster / exhibited tool is:
....
....

With the following highlights:
....
....

The paper belongs to the category (please tick one):
[] 1 E-Business in CE
[] 2 Organization and Management
[] 3 Formal Methods and Techniques
[] 4 Implementation Techniques
[] 5 Process Modeling
[] 6 Engineering data management and information modeling
[] 7 Engineering process management
[] 8 Collaborative CE environments and virtual design studios
[] 9 Networking and distribution in CE
[] 10 Practical applications and experiences

The paper will be submitted as a:
[] Extended paper [] Regular Paper [] Short Paper   [] Poster [] Product Presentation

Other colleague(s) interested in the topics of the conference is/are:
Name: ....
Address: ....
....

If you would like to receive more information about SCS and its activities, please tick the following box:

[] YES, I would like to know more about SCS.

[] NO, please remove me from your database.

Please send this card immediately to: SCS Europe, Coupure 653, 9000 Ghent, Belgium

ECEC

European Concurrent Engineering Conference 2001

SCS

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APRIL 18-20, 2001