Frontiers in Artificial Intelligence and Applications

LEADING THE WEB IN CONCURRENT ENGINEERING

Next Generation Concurrent Engineering

Edited by
Parisa Ghodous
Rose Dieng-Kuntz
Geilson Loureiro

IOS Press

TH166-53
C744
2006

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理工大学
图书馆藏书

IOS Press

Amsterdam • Berlin • Oxford • Tokyo • Washington, DC

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ISBN 1-58603-651-3
Library of Congress Control Number: 2006930651

Publisher
IOS Press
Nieuwe Hemweg 6B
1013 BG Amsterdam
Netherlands
fax: +31 20 687 0019
e-mail: order@iospress.nl

Distributor in the UK and Ireland
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fax: +44 1524 63232
e-mail: sales@gazellebooks.co.uk

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e-mail: iosbooks@iospress.com

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PRINTED IN THE NETHERLANDS

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ISSN 0922-6389

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Leading the Web in Concurrent Engineering
P. Ghodous et al. (Eds.)
IOS Press, 2006
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Preface

It is our great pleasure to welcome you to the 13th ISPE International Conference on Concurrent Engineering: Research and Applications, CE2006 being held in Antibes, France. The previous events were held in Dallas, Texas, USA (2005), Beijing, China (CE2004), Madeira Island, Portugal (CE2003), Cranfield, UK (CE2002), Anaheim, USA (CE2001), Lyon, France (CE2000), Bath, UK (CE99), Tokyo, Japan (CE98), Rochester, USA (CE97), Toronto, Canada (CE96), McLean, USA (CE95), Pittsburgh, USA (CE94). CE2007 and CE2008 are planned for Brazil and Australia, respectively.

The CEXX conference series were launched by the International Society for Productivity Enhancement (ISPE) which, for more than a decade now, has constituted an important forum for international scientific exchange on concurrent engineering. These conferences attract more than a hundred researchers, industrials and students interested in the recent advances in concurrent engineering research and applications. Concurrent engineering is known as a strategic weapon to achieve industrial competitiveness by developing products better, cheaper and faster using multi-functional teamwork.

The underlying focus of CE2006 Conference is in developing new methodologies, techniques and tools based on Web technologies required to support the key objectives of CE. For several years, with different technologies of information diffusion and sharing provided by the Web, new opportunities have appeared to improve the concurrent engineering approach. Bringing together concurrent engineering with Web technology and applications constitutes the strong and innovative points of the CE2006 Conference. The Web is not merely an immense book where people can search, browse, and view information. It is also a vast database that can allow computers to do more useful work. By developing a Web that holds information for both human and machine processing, people solve problems that would otherwise be too tedious or complex to solve (www.w3.org).

The International Program Committee has decided to select the following major areas for CE2006:

Keynote and invited papers
Web services
Interoperability and interfacing
Collaborative, mobile and multimodal environment
Semantic Enterprise, Semantic Web and ontologies
Knowledge in CE
Global Standardization
Information Systems in CE
Semantic indexing of documents
Innovation and business strategies
Design, manufacturing and services
Cost engineering
Education, social aspects and humanities
Tools and applications

We would like to thank all the authors for the high quality of their papers. We would like also to acknowledge the contribution of the key invited speakers, CE2006 International Program Committee and all session chairs in making a successful conference. We thank sincerely the members of the executive and organizing committees who helped in all aspects of organizing the conference (in particular Moisés Dutra Lima, Lionel Médini and Monique Simonetti). Last, we would like to gratefully acknowledge the institutional support and encouragement that we have received from our sponsors (in particular ISPE, INRIA, UCBL, W3C) and the funding received from Conseil Régional PACA, Ministère francais des affaires étrangères.

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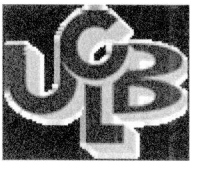

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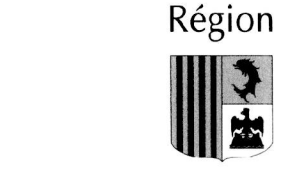

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