ENTERPRISE DISTRIBUTED OBJECT COMPUTING

EDOC 2003 CONFERENCE

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Advance Notice and Call for Contributions

The 7th International IEEE Enterprise Distributed Object Computing Conference
16-19 September 2003, Brisbane, Australia

Sponsored by **IEEE Computer Society**, **IEEE Communications Society** and **Cooperative Research Centre for Enterprise Distributed Systems Technology (DSTC)**

ABOUT THE CONFERENCE

The Enterprise Distributed Object Computing Conference is the primary annual event addressing issues related to enterprise architecture and distributed object computing. It embraces the rapidly maturing distributed object and component technologies for enterprise computing, such as J2EE, .NET, as well as emerging new standards and paradigms, such as Web Services and event-driven computing, as a basis for alignment of business and IT. EDOC 2003 is the latest in the successful series of conferences, which since 1997 has brought together leading researchers and industry experts to discuss problems, solutions, and experiences in meeting current and future enterprise distributed computing needs.

SCOPE

Recent advances in Internet-based information and communication technology (ICT) have drastically improved the possibilities for businesses to engage in much more dynamic, new forms of co-operation. The appearance of such networked enterprises, in which organisations work together for mutual benefit, also gives rise to a change in the nature of enterprise computing. Enterprise computing traditionally deals with the organisational, technical and engineering challenges when introducing or integrating distributed business information systems within one organisation. Enterprise computing today has to deal with application integration across company boundaries and support inter-organisational business processes, collaboration, and transactions, while satisfying the flexibility and security requirements of each business partner.

EDOC 2003 will address new developments in distributed enterprise computing to support such dynamic collaborative business. It will present innovations in distributed object and component technology, e.g., J2EE, .NET, and Web Services, to address the challenges of integration, flexibility, scalability, reliability, security and quality of service of enterprise software. New approaches to modelling and design of enterprise systems, such as OMG's Model Driven Architecture (MDA), the ODP Enterprise Language, policy specification and business process modelling, ensure alignment of system architectures with business goals, policies and processes. Emerging standards, such as RM-ODP, MDA, ebXML, and Web Services, are expected to result in improved tool support and to raise the levels of technical and semantical inter-operability. Together these developments bring enterprise distributed object computing closer to its ultimate goals of effortless integration, seamless inter-operation, and alignment with the business processes it supports.

TOPICS

The program committee seeks high quality papers describing new research results, experience reports and case studies related to all aspects of distributed enterprise computing. We particularly solicit contributions that address the challenges of effortless integration, seamless inter-operation and alignment with business goals, policies and processes. Topics of interest include, but are not limited to:

- Enterprise architecture and modelling (methods, tools and techniques)
- Model driven design and architectural alignment
- (Inter-)enterprise integration and collaboration
- Business process and workflow support
- Service-oriented architecture and design
- Contract and policy based management (automated negotiation, enactment, monitoring and enforcement)
- Use and development of enterprise and integration standards (ODP Enterprise Language, OMG's MDA, ebXML, UML 2.0, EDOC profile for UML, W3C Web Services, etc.)
- Utility or service-based enterprise computing (specification, discovery, use, composition)
- Use and enhancement of middleware platforms, such as J2EE and .NET.
- Security of web-based applications
- Enterprise applications of Web Services and GRID-based computing
- Enterprise architectures for e-business, e-commerce, and e-government
- Enterprise frameworks for specific domains (e.g., finance, telecom, aerospace)
- Practical experiences with enterprise distributed object computing

Sponsors

IEEE Approval pending

Approval pending

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In cooperation with

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OMG OBJECT MANAGEMENT GROUP

Supporters

BOEING

SUBMISSION GUIDELINES

This year EDOC will accept two types of paper submissions: research papers and experience reports. Research papers should describe original research results that have not been accepted or submitted for publication elsewhere. Research papers will be evaluated for scientific or technical contribution, originality, appropriateness and significance. Experience reports should describe new insights gained from case studies or the application of EDOC technology in practice. Experience reports will be evaluated on their appropriateness, significance and clarity of expression. Authors of all accepted papers will be invited to present their work at the conference. Accepted research papers will also be included in the conference proceedings published by IEEE CS Press.

All papers will be refereed by at least three members of the program committee, and at least two will be experts from industry in the case of experience reports. All submissions must be in English. Research submissions should not exceed 12 pages in the IEEE format. Please refer to the formatting instructions at http://www.computer.org/cspress/instruct.htm

Experience reports must not exceed 5,000 words.

Submissions should be made electronically in PDF (preferred) or PostScript format. The paper submission process has two separate stages. Authors are requested to submit the title, keywords and an abstract of their paper first, in order to facilitate the allocation of submissions to reviewers. The full paper submission deadline is approximately two weeks later.

TUTORIAL PROPOSALS

The first day of the conference will consist of tutorial presentations of either half or a whole day in duration. Topics of interest are the same as those listed for the papers above. Proposals should be in the form of:

- 500 word abstract and table of contents
- 200 word Speaker biography
- list of previous deliveries of this tutorial

Tutorial presenters will receive standard IEEE presentation rates and some accomodation. Proposals should be submitted to:

edoc-pc-chairs@edoconference.org

IMPORTANT DATES

Abstract submission due:	3 March 2003
Paper submission due:	14 March 2003
Tutorial submission due:	18 April 2003
Acceptance notification:	12 May 2003
Camera-ready copy due:	20 June 2003
Conference dates:	16-19 September 2003

SPONSORSHIP OPPORTUNITIES

Local or International Organizations interested in sponsorship association with EDOC 2003 should contact Kelli Shanahan, Events Manager DSTC/Local Organization Chair EDOC on kellis@dstc.edu.au or (61) 7 3365 4310.

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