



Second Announcement and Call for Papers

Ninth International IEEE EDOC Conference (EDOC 2005) “The Enterprise Computing Conference”

19-23 September 2005, Enschede, The Netherlands
<http://www.edocconference.org>

Sponsored by: IEEE Computer Society (approval pending),
IEEE Communications Society (approval pending),
University of Twente / Centre for Telematics and Information Technology,
Telematica Instituut

ABOUT THE CONFERENCE

The EDOC Conference is the primary annual event focusing on the convergence of the paradigms, technologies and methods involved in enterprise computing. EDOC 2005 is the ninth event in the successful series of conferences, which since 1997 has brought together leading researchers, architects and practitioners from both academia and industry to discuss enterprise computing challenges and solutions.

Today the creation, operation and evolution of enterprise computing systems raise concerns that range from high-level requirements and policy modelling through to the deployment of specific implementation technologies and paradigms, and involve a wide (and ever growing) range of methods, tools and technologies. They also cover a broad spectrum of vertical domains and industry segments, from electronic and mobile commerce to real-time applications for the extended enterprise, e.g., business activity monitoring.

The EDOC Conference emphasises the integration of enterprise computing research and development results, fostering an enterprise engineering approach that can address and relate business, application and middleware levels. The themes of openness and distributed computing, based on services, components and objects, provide a useful and unifying conceptual thread for this purpose.

TOPICS

The EDOC conference seeks high-quality papers addressing the domains, the life-cycle issues and the realization technologies involved in building, deploying and operating enterprise computing systems. Suggested areas include, but are not limited to:

- Enterprise computing – support for business processes
- Modelling for enterprise computing, integration and management, and relating business models to system specifications
- Enterprise computing concepts for specific domains, including
 - Electronic and mobile commerce
 - Real-time applications for the extended enterprise, e.g. Business activity monitoring
 - Vertical domains such as finance, telecommunications, automotive, aerospace, command & control and healthcare
- Enterprise requirements engineering and modelling
- Enterprise architecture design and modelling
- Design and modelling paradigms for enterprise computing, including
 - Model Driven Architecture (MDA) and other model-driven approaches
 - Service- and component-oriented development and architecture
 - Collaborative development and cooperative engineering
- IT aspects of inter-enterprise collaboration and virtual enterprises
- Integration of (legacy) enterprise applications and information
- Trust, security, privacy and QoS issues in enterprise computing
- Quality-assurance of enterprise computing systems
- Evolution and management of enterprise computing systems
- Integration of sensing and tracking technologies in enterprise systems
- Interoperability models, platforms, and techniques
- Realization technologies for enterprise computing, including
 - Ontologies and Semantic Web support
 - Middleware standards and systems, such as CORBA, WS, J2EE and .NET
 - Modelling and description languages, such as XML, RDF, OWL and UML
- Enterprise computing tools and tool chains
- Organization and principles of software factories
- Case studies

SUBMISSION GUIDELINES

Two types of paper submissions will be accepted: research papers and experience reports. Research papers should describe original research results that have not been accepted or submitted for publication elsewhere. These papers will be evaluated for scientific or technical contribution, originality, appropriateness and significance. Submissions should not exceed 12 pages in the IEEE format. Experience reports should describe new insights gained from case studies or the application of EDOC technology in practice. These papers will be evaluated on their appropriateness, significance and clarity of expression. Submissions should contain at least 2,000 words and must not exceed 5,000 words.

All papers will be refereed by at least 3 members of the international program committee, and at least two will be experts from industry in the case of experience reports. All submissions must be in English. Submissions should be made electronically in PDF (preferred) or PostScript format via the electronic submission system via the EDOC Conference Management system.

JOURNAL PUBLICATIONS

The selected best research papers will be considered for a special issue of the International Journal of Cooperative Information Systems (IJCIS) to be published in 2006

(<http://www.worldscinet.com/ijcis/ijcis.shtml>).

The selected best industry- and application-oriented papers will be considered for a special issue of the IEEE Transactions on Systems, Man, and Cybernetics (SMC) Part C: Applications & Reviews to be published in 2007 (<http://www.ieeesmc.org/webpages/publications/submissioninfoC.htm>).

WORKSHOP PROPOSAL

We are inviting proposals for one-day workshops to be held on the 19th or 20th Sept. 2005. Workshops provide organizers and participants with an opportunity to discuss current topics related to enterprise computing in a small and interactive atmosphere. Workshops can choose to concentrate in-depth on relevant research topics, on application issues or on a combination of the two. Proposals should include the workshop title, the names and a brief (200 word) biography for each organizer and a summary of the workshop contents (approximately 1-2 pages i.e., 500-1000 words).

ORGANIZING COMMITTEES

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IMPORTANT DATES

Paper submission due: 1 April 2005
Workshop proposals due: 18 March 2005
Acceptance notification: 16 May 2005