



29.8.-2.9.2011, Helsinki, Finland

<http://edoc2011.cs.helsinki.fi/>

Fifteenth IEEE International EDOC Conference EDOC2011 "The Enterprise Computing Conference"

Call for participation

Fifteenth IEEE International EDOC Conference (EDOC 2011)
"The Enterprise Computing Conference"

Sponsored by IEEE Computer Society and IEEE Communications Society

29.8.-2.9. 2011, Helsinki, Finland

<http://www.ieee-edoc.org/> & <http://edoc2011.cs.helsinki.fi/>

ABOUT THE CONFERENCE

The IEEE EDOC Conference is the key annual event in enterprise computing. EDOC conferences address the full range of engineering technologies and methods contributing to intra- and inter-enterprise distributed application systems. EDOC 2011 will be the fifteenth event in the series of conferences. Since 1997, EDOC has brought together leading computer science researchers, IT decision makers, enterprise architects, solution designers and practitioners to discuss enterprise computing challenges, models and solutions from the perspectives of academia, industry and government.

Enterprise computing is based on a wide (and ever growing) range of methods, models, tools and technologies. The resulting applications also cover a broad spectrum of vertical domains and industry segments, from electronic and mobile commerce to real-time business applications for collaborating enterprises. In recent years, technologies related to enterprise architecture and business process management have become some of the top areas of interest in enterprise computing. Today, the creation, operation and evolution of enterprise computing systems create challenges that range from goal and policy modeling through functional and non-functional requirements to the deployment and maintenance of solutions in and across customer businesses.

The IEEE EDOC Conference emphasizes a holistic view of enterprise applications engineering and management, fostering integrated approaches that can address and relate processes, people and technology. Openness and distributed computing, based on services, components and objects are important themes.

IEEE EDOC 2011 welcomes high quality scientific submissions as well as papers on enterprise computing industry experiences. Expert panel discussions and keynotes will address hot topics and issues in the domain.

TOPICS

The IEEE EDOC conference seeks high-quality contributions 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 Architecture and Enterprise Application Architecture

- Enterprise architecture frameworks
- Enterprise architecture analysis, assessment and prediction
- Enterprise ontologies

Modeling based on domain specific languages (DSL)

- Reference architecture based approaches
- Collaborative development and cooperative engineering

Service oriented architectures (SOA) and enterprise service architectures (ESA)

- Evolution of service engineering specifications
- Semantics based service engineering
- Enterprise service bus approaches
- Event driven architectures

Service oriented architecture governance

- Service policies and contract definitions and enforcement
- Security policy definition and description languages
- Security policy interoperability

Business process management (BPM)

- Business process models and metamodels
- Business process monitoring and intelligence
- Dynamically configurable business processes
- Cross-organizational business processes

Business analytics

- Modeling and Predictive analytics
- Data-Driven Strategy
- Collaboration platform

Business rules

- Business rules languages and inference systems
- Business rules components
- Rule driven business process engines

Information integration and interoperability

- Business object model methodologies and approaches
- Taxonomies, ontologies and business knowledge integration
- Master data management, data mining and (real-time) data warehousing

Networked Enterprise Solutions

- Enterprise interoperability, collaboration and its architecture
- Virtual organizations, including multiagent system support
- Digital ecosystems
- Trust management

Enterprise applications deployment and governance

- Performance and operational risk prediction and measurement
- Quality of service (QoS) and cost of service (CoS)
- Management and maintenance of enterprise computing systems
- Information assurance
- Human and social organizational factors in enterprise computing

State of the art in distributed enterprise applications

- Industry specific solutions, e.g. for aerospace, automotive, finance, logistics, medicine and telecommunications
- Research and public sector collaboration, e.g. in e-health, e-government, e-science
- Social information and innovation networks

Enterprise Computing Infrastructures

- Autonomic computing and self-managing platforms
- Cloud infrastructure
- Mobile enterprise services

CONFERENCE PUBLICATIONS

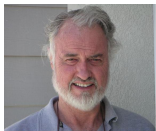
The conference proceedings will be published by the IEEE Computer Society Press and will be accessible through IEEE Xplore and the IEEE Computer Society Digital Library. The IEEE reserves the right to exclude a paper from distribution after the conference (e.g., removal from IEEE Xplore) if the paper is not presented at the conference.

Workshop proceedings will be published by the IEEE Computer Society and included in the IEEE Computer Society Digital Library (CSDL) and the IEEE Xplore.

The authors of a set of selected papers will be invited to prepare a substantially revised and extended version of their papers for publication in a special journal issue (details will be announced later). In previous years, selected papers from EDOC have been published in Springer's Information Systems Frontiers (ISF), Enterprise Information Systems (EIS), and International Journal of Cooperative Information Systems (IJCIS). Special issues with selected and extended papers of EDOC 2010 and 2011 will appear at the Enterprise Information Systems journal (published by Taylor & Francis, with an impact factor of 2.809 in JCR 2009).

KEYNOTES

The EDOC 2011 programme will feature three keynote lectures:



Prof. Terry Halpin:

Fact-Orientation and Conceptual Logic

Prof. Halpin is a Principal Scientist at LogicBlox (Atlanta, USA) and a Professor at INTI International University (Malaysia).



Prof. Michael P. Papazoglou:

Making Business Processes Compliant to Regulations & Standards

Prof. Papazoglou is the chair of Computer Science and the director of the ERISS at the University of Tilburg, the Netherlands.



Dr. Richard Hull:

Towards Flexible Service Interoperation using Business Artifacts

Dr. Hull is a research manager in Business Informatics, IBM T.J. Watson Research Center.

SPONSORED BY



IEEE
COMMUNICATIONS
SOCIETY



IEEE
computer
society

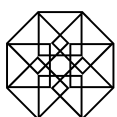


IEEE

IN COOPERATION WITH



PATRONS



Tieteellisten seurain
valtuuskunta
Federation of Finnish
Learned Societies



UNIVERSITY OF HELSINKI

SUPPORTED BY



WE SET THE STANDARD™

WORKSHOPS

Workshops complement IEEE EDOC's main scientific program with presentations and discussions of both mature and preliminary project results, ideas, experiences, and knowledge in a way that is more interactive and more focused than paper sessions in the main conference program. To foster this interactivity and focus, workshops target a narrower range of topics.

- 2nd International Workshop on Models and Model-driven Methods for Service Engineering (3M4SE 2011)
- 5th International Workshop on Advances in Quality of Service Management (AQuSerM 2011)
- 4th International Workshop on Evolutionary Business Processes (EVL-BP 2011)
- 3rd International Workshop on Service-oriented Enterprise Architecture for Enterprise Engineering (SoEA4EE 2011)
- 6th Trends in Enterprise Architecture Research (TEAR 2011) Workshop
- 6th International Workshop on Vocabularies, Ontologies and Rules for The Enterprise (VORTE 2011)

ORGANIZING COMMITTEE

General Chair:

Lea Kutvonen, University of Helsinki, Finland

Program Chairs:

Pontus Johnson, Royal Institute of Technology, Sweden
Chi-Hung Chi, School of Software, Tsinghua University, China

Workshops Chair:

Georg Grossmann, School of Computer and Information Science, University of South Australia, Australia

Finance Chair:

Toni Ruokolainen, University of Helsinki, Finland

Publicity Chairs:

Axel Korthaus, Victoria University, Australia
Alex Liu, California State University, USA

Local Organization:

Sini Ruohomaa, Chair, University of Helsinki, Finland
Pirjo Moen, University of Helsinki, Finland
Petri Kutvonen, University of Helsinki, Finland
Yiyun Shen, University of Helsinki, Finland
Niko Tyni, University of Helsinki, Finland

Steering Committee:

Marten J. Van Sinderen, Chair, University of Twente
João Paulo A. Almeida, Fed. Univ. of Espirito Santo
Dirk Draheim, University of Auckland
Keith Duddy, Queensland University of Technology
Patrick C. K. Hung, University of Ontario Institute of Technology
Peter F. Lington, University of Kent
Zoran Milosevic, Deontik
Donald W. Sparrow, Jr., MITRE Corporation
Marcus Spies, Ludwig-Maximilians University
Maarten Steen, Novay
Gerald Weber, University of Auckland

Program committee: See <http://edoc2011.cs.helsinki.fi/>