

Proceedings

***10th IEEE International
Enterprise Distributed Object
Computing Conference***

*Hong Kong, China
October 16-20, 2006*



Los Alamitos, California

Washington • Tokyo

EDOC Workshops Table of Contents

VORTE: Vocabularies, Ontologies and Rules for the Enterprise

Chairs: Spies, Gizzardo, Wagner

1) "An Ontology-based Approach to the Formalization of Information Security Policies"
by Fernando Náufel do Amaral, Carlos Bazílio, Geiza Maria Hamazaki da Silva,
Alexandre Rademaker, Edward Hermann Haeusler

2) "An ontology for organizational functions: the recursive self-maintenance
mechanism of the enterprise"
by David Aveiro, José Tribolet

3) "A Technique and Markup Language for Business Process Automation"
by Kuldar Taveter

4) "Using a Topic Grid and Semantic Wikis for Ontology-Based Distributed Knowledge
Management in Enterprise Software Development Processes"
by Axel Korthaus, Martin Schader

5) "How words map concepts"
by Christophe Roche

6) "Situations in Conceptual Modeling of Context"
by Patrícia Dockhorn Costa, Giancarlo Guizzardi, João Paulo A. Almeida, Luís Ferreira
Pires, Marten van Sinderen

MWS: Middleware for Web Services

Chairs: Vladimir Tasic, Aad van Moorsel, Raymond Wong

7) "Introduction to the Proceedings of the EDOC 2006 Workshop Middleware for Web
Services (MWS 2006)" by Vladimir Tasic, Aad van Moorsel, Raymond Wong

8) "Towards Explanation-Aware Selection in Internet-Scale Infrastructures: Generating
Rationale for Web Services Ratings and Reputation" by Wanita Sherchan, Seng W. Loke,
Shonali Krishnaswamy

9) "A Service Mediator Based Information System: Service-Oriented Federated Multiple
Document Management" by Luiz Russo, Sam Chung

10) "A Data Centric Approach for Workflows" by Asif Akram, J. Kewley, R. Allan

- 11) "Average-Based Workload Allocation Strategy for QoS Constrained Jobs in a Web Service-Oriented Grid" by Yash Patel, John Darlington
 - 12) "A Service-Oriented Architecture in a Multi-Agency Environment: A Case Study in Enterprise Dynamics" by Kangmin Zheng, Kenneth C. Hoffman, Thomas J. Pawlowski III, Christopher D. Knouss
 - 13) "A CoS-Enabled Request Scheduling Policy" by Yubin Yang, Yazhe Tang, Ming Zhao, Lei Yao
 - 14) "A Mediation Framework for Mobile Web Service Provisioning" by Satish Narayana Srirama, Matthias Jarke, Wolfgang Prinz
 - 15) "Triple Space Computing Middleware for Semantic Web Services" by Omair Shafiq, Reto Krummenacher, Francisco Martin-Recuerda, Ying Ding, Dieter Fensel
 - 16) Book Review of "Web Services in the Enterprise: Concepts, Standards, Solutions, and Management" by Yazhe Tang, Hanan Lutfiyya
-

IWMEC: Models for Enterprise Computing

Chairs: Beziniv, Gray, Pierantonio

- 17) "A Methodology and Conceptual Framework for Flow-Manufacturing-oriented ERP Systems"
by Jianfu Zhang, Zhijun Wu, Ken Chen, Pingfa Feng, Dingwen Yu
- 18) "Structural Patterns for the Transformation of Business Process Models"
by Marion Murzek, Gerhard Kramler, Elke Michlmayr
- 19) "Performance Improvement of MDD Tools"
by Benoit Langlois, Daniel Exertier, Stéphane Bonnet
- 20) "Business Metadata for the Data Warehouse - Weaving Enterprise Goals and Multidimensional Models"
by Veronika Stefanov, Beate List
- 21) "Concepts for an Ontology-centric Technology Risk Management Architecture in the Banking Industry"
by Colin Atkinson, Christian Cuske, Tilo Dickopp
- 22) "Modelling WS-RF based Enterprise Applications"
by Asif Akram, John Kewley, Rob Allan

- 23) "Model Driven Design of Distribution Patterns for Web Service Compositions"
by Ronan Barrett, Claus Pahl
- 24) "Towards Propagation of Changes by Model Approximations"
by Antonio Cicchetti, Davide Di Ruscio, Romina Eramo
- 25) "Modeling for Investment Guidance as a Performance Pre-assessment Method of Enterprise Integration"
by Jian Zhou, Qing Li, DaFeng Xu, TianYuan Xiao
-

TEAR: Trends in Enterprise Architecture Research

Chairs: lankhorst, Steen

- 26) "A reference model for IT management responsibilities"
by Magnus Gammelgård, Åsa Lindström, Mårten Simonsson
- 27) "Dynamic Routing as paradigm for decentralized flexible process management"
by Alistair Barros, Gero Decker
- 28) "Analysis and Application Scenarios of Enterprise Architecture:
An Exploratory Study"
by Tobias Bucher, Ronny Fischer, Stephan Kurpjuweit, Robert Winter
- 29) "General Integrated System Architecture and Enterprise Modeling Framework Study"
by Qing Li, Jian Zhou, Dafeng Xu
- 30) "Essential Layers, Artifacts, and Dependencies of Enterprise Architecture"
by Robert Winter, Ronny Fischer
- 31) "An Inquiry Tool for Stakeholder Concerns of Architectural Viewpoints: a Case Study at a Large Financial Service Provider"
by Henk Koning, Rik Bos, Sjaak Brinkkemper
- 32) "Exploring Intentional Modeling and Analysis for Enterprise Architecture"
by Eric Yu, Markus Strohmaier, Xiaoxue Deng
- 33) "Expanding the Possibilities for Enterprise Computing: Multi-Agent Autonomic Architectures"
by Gilda Pour
-

WODPEC: ODP for Enterprise Computing

Chairs: Almeida, lington, Tanaka, Wood

34) "On the Execution of ODP Computational Specifications"
by José Raúl Romero, Antonio Vallecillo

35) "What applying of the ODP viewpoints teaches us about tool-chains"
by Lea Kutvonen

36) "A Basis for Constructing and Evaluating Design Concepts"
by Remco Dijkman

37) "Policy Specification: Meeting Changing Requirements without Breaking the System Design Contract"
by Peter F. Linington

38) "Interaction Signatures and Action Templates in the ODP Computational Viewpoint"
by Oussama Reda, Bouabid El Ouahidi, Daniel Bourget

39) "Addressing interoperability in e-health: an Australian approach"
by Zoran Milosevic

AQuSerM: Advances in Quality of Service Management
Chairs: Poernomo, Wang

40) "AQuSerM 2006: Advances in Quality of Service Management"
by Iman Poernomo Guijun Wang

41) "Formal MDA for QoS instrumentation"
by Kenneth Chan

42) "Scheduling Real-Time Components Using Jitter-Constrained Streams"
by Claude-Joachim Hamann, Steffen Zschaler

43) "Web Service Testing Method Based on Fault-coverage"
by Wen-Li Dong

45) "Using Model-Driven Engineering to generate QoS Monitors from a formal specification"
by Sebastien Soudrais, Olivier Barais, Laurence Duchien

46) "Optimizing Web Service Composition Based on QoS Negotiation"
by Wen-Li Dong

47) "A Conceptual Model of ICT-Supported Unified Process of International

Outsourcing of Software Production"
by Anicet Yalaho

48) "Secure Negotiation in Virtual Organizations"
by Sakyibea Darko-Ampem, Maria Katsoufi, Pablo Giambiagi

49) "Quality of Service (QoS) Contract Specification, Establishment, and Monitoring for Service Level Management"
by Changzhou Wang, Guijun Wang, Haiqin Wang, Alice Chen and Rodolf A Santiago

50) "Independent Channel Multi Method Multi-Factor Authentication (MMM-FA) model for B2P remote Commerce"
by A.K.M. Harun-Ar-Rashid

=====

EDM: Electronic Document Management in an Enterprise Computing Environment
Chairs: Kwok, Cheung

51 "Grid Enabled problem solving environments for Text Categorization"
by Jian mei, Wu zhang and Suge wang

52 "A Key-Recovery System for Long-term Encrypted Documents"
Eric K. Wang, Joe C.K. Yau, Lucas C.K. Hui, Zoe L. Jiang, S.M. Yiu

53 "Protecting the Exchange of Document Images in Cross-Enterprise Process Integration with Web Services"
by Dickson K.W. Chiu, Patrick C. K. Hung, Vivying S. Y. Cheng, Eleanna Kafeza

54 "PRACTICAL DESIGN AND IMPLEMENTATION OF WEB-BASED DOCUMENT MANAGEMENT SYSTEMS"
by Jason Yao, Jessica H. Li

55 "AUTOMATED TRAINABLE SUMMARIZER FOR FINANCIAL DOCUMENTS"
by Rima Sureka and Hinny P. H. Kong

56 "Making sense of an Electronic Document – Visualization Strategies for Concept Presentation"
by Naresh Kumar Agarwal and Danny C. C. Poo

57 "An Enterprise Electronic Contract Management System using Dual XML and Secure PDF Documents"
by Thomas Kwok and Thao Nguyen

58 "Document Layout Analysis & Classification and Its Application in OCR"

by Gaurav Gupta, Shobhit Niranjana, Ankit Shrivastava, RMK Sinha

59"Exploiting Metadata Links to Support Information Retrieval in Document Management Systems"

by Mirjana Andric, Wendy Hall

60"Using Generic Services for Document Life Cycle Management"

by Markus Aleksy, Michael Schwind

61"DynaQ — Dynamic Queries for Electronic Document Management"

by Stefan Agne, Christian Reuschling, and Andreas Dengel

62"Six Thousand Words about Multi-Perspective Personal Document Management"

by Andreas R. Dengel

63"Personalized document retrieval in multi-party environments with the Semantic Desktop"

by Mark Siebert, Pierre Smits, Leo Sauermann and Andreas Dengel

64"A Model for Digital Archival of Municipal Documents"

by Pasi Tiitinen, Pasi Tyrväinen, Osmo Palonen

SISS: Service Intelligence and Service Science

Organizers: Chiu, Leung

65"Trust Assessment Using Provenance in Service Oriented Application"

by Shrija Rajbhandari, Arnaud Contes, Omer F.Rana, Vikas Deora, and Ian Wootten

66"Using Blueprints for Engineering Electronic Market Services"

by Dirk Neumann, Carsten Holtmann and Christof Weinhardt

67"Web-service Based Human Resource Recruitment by using Matchmaking Decision Support"

by Gilbert H. L. Luk, Dickson K. W. Chiu, and Ho-fung Leung

68"A New Approach to Electronic Services using Game-Based Design"

by Jarno Salonen, Petri Ruutikainen and Aki Ahonen

69"Web Services Selection and Composition based on the Routing Algorithm"

by Yifei Wang, Hongbing Wang and Xun Xu
