
Table of Contents

Interop-ESA 2005 Program Chairs.....	xiii
Development of a Metamodel to Foster Interoperability Along the Product Lifecycle Traceability.....	1
<i>Sergio Terzi, Jacopo Cassina and Hervé Panetto</i>	
Business Process Requirements, Modeling Technique and Standard: How to Identify Interoperability Gaps on a Process Level.....	13
<i>Boriana D. Rukanova, Kees van Slooten and Robert A. Stegwee</i>	
An Architecture for Semantic Enterprise Application Integration Standards.....	25
<i>Nenad Anicic, Nenad Ivezic and Albert Jones</i>	
Inter-Organization Interoperability in Transport Chains Using Adapters Based on Open Source Freeware.....	35
<i>Paul Davidsson, Linda Ramstedt and Johanna Törnquist</i>	
MAFIIA – an Architectural Description Framework: Experience from the Health Care Domain.....	43
<i>Ståle Walderhaug, Erlend Stav, Stein L. Tomassen, Lillian Røstad and Nils B. Moe</i>	
ISO Standards for Interoperability: a comparison.....	55
<i>Kurt Kosanke</i>	
ONAR: An Ontologies-based Service Oriented Application Integration Framework	65
<i>Dimitrios Tektonidis, Albert Bokma, Giles Oatley and Michael Salampasis</i>	
A Framework for Semantic Enterprise Integration.....	75
<i>Säid Izza, Lucien Vincent and Patrick Burlat</i>	
A Framework to Support Interoperability among Semantic Resources	87
<i>Celson Lima, Catarina Ferreira Da Silva, Chan Le Duc and Alain Zarli</i>	
Virtual Breeding Environment: Working and Sharing Principles	99
<i>Jaime Irigoyen, Nathalie Galeano, David Guerra and Arturo Molina</i>	
Modeling and using business collaborations	111
<i>Giorgio Bruno</i>	

Establishing Interoperability of Coordination Protocols in ad hoc Inter-Organizational Collaborations	123
<i>Bettina Bazijanec, Johannes Maria Zaha, Antonia Albani and Klaus Turowski</i>	
Ontology-based Interoperability Services for Semantic Collaboration in Open Networked Systems	135
<i>Silvana Castano, Alfio Ferrara, and Stefano Montanelli</i>	
Interoperability through integrating Semantic Web Technology, Web Services, and Workflow Modeling	147
<i>John Krogstie, Csaba Veres and Guttorm Sindre</i>	
An M3-Neutral Infrastructure for Bridging Model Engineering and Ontology Engineering	159
<i>Jean Bézivin, Vladan Devedzic, Dragan Djuric, Jean-Marie Favreau, Dragan Gasevic and Frederic Jouault</i>	
Contract-based Interoperability for E-Business Transactions	173
<i>Sergei Artyshchev and Hans Weigand</i>	
Interoperability Middleware for Federated Enterprise Applications in web-Pilarcos	185
<i>Lea Kutvonen, Toni Ruokolainen, Janne Metso and Juha-Pekka Haataja</i>	
Customizable Isolation in Transactional Workflow	197
<i>Adnene Guabtni, Francois Charoy and Claude Godart</i>	
Transforming Workflow Graphs	203
<i>Johann Eder, Wolfgang Grube, and Horst Pichler</i>	
Interoperability Issues in Metamodelling Platforms.....	215
<i>Harald Kühn' and Marion Murzek</i>	
Towards Using UML 2 for Modelling Web Service Collaboration Protocols	227
<i>Gerhard Kramler, Elisabeth Kapsammer, Werner Retschitzegger and Gerti Kappel</i>	
Quantitative Analysis of Enterprise Architectures	239
<i>Maria-Eugenia Iacob and Henk Jonkers</i>	
Mapping Specification in MDA: From Theory to Practice	253
<i>Denivaldo Lopes, Slimane Hammoudi, Jean Bézivin and Frédéric Jouault</i>	
Experiment in Model Driven Validation of BPEL Specifications.....	265
<i>David H.Akehurst</i>	
Integrating Business Processes with Peer-to-Peer technology	277
<i>Florian Kupsch and Dirk Werth</i>	
Design and Implementation of a Peer-to-Peer Data Quality Broker	289
<i>Diego Milano, Monica Scannapieco and Tiziana Catarci</i>	

Moving from Internal to External Services Using Aspects	301
<i>Martin Henkel, Gustav Boström and Jaana Wäyrynen</i>	
Methodology for the Definition of a Glossary in a Collaborative Research Project and its Application to a European Network of Excellence.....	311
<i>Paola Velardi, Raúl Poler and José V. Tomás</i>	
Ontology-based Semantic Interoperability Tools for Service Dynamic Discovery	323
<i>Devis Bianchini and Valeria De Antonellis</i>	
Identifying Business Components on the Basis of an Enterprise Ontology	335
<i>Antonia Albani, Jan L.G. Dietz and Johannes Maria Zaha</i>	
Using Connectors for Deployment of Heterogeneous Applications in the Context of OMG D&C Specification	349
<i>Lubomír Bulej and Tomáš Bureš</i>	
Development of an Integrated Retrieval System on Distributed KRISTAL-2002 Systems with Metadata Information.....	361
<i>Young-Kwang Nam, Gui-Ja Choe, Byoung-Dai Lee and Jung-Hyun Seo</i>	
A Domain Model for the IST Infrastructure.....	373
<i>Jan B.M. Goossenaerts</i>	
Towards a New Infrastructure Supporting Interoperability of Information Systems in Development: the Information System upon Information Systems ..	385
<i>Thang Le Dinh</i>	
Design Solutions for Interoperability Using a Process Manager.....	397
<i>Paul Johannesson, Erik Perjons, Benkt Wangler and Rose-Mharie Åhlfeldt</i>	
Towards an Interoperability Framework for Model-Driven Development of Software Systems	409
<i>Brian Elvesæter, Axel Hahn, Arne-Jørgen Berre and Tor Neple</i>	
Syndicate Data Incorporation into Data Warehouses: Contrasting Consumer Problems with Supplier Viewpoints	421
<i>Mattias Strand and Björn Lundell</i>	
Conformance Testing of Open Interfaces in Healthcare Applications - Case Context Management	433
<i>Tanja Toroi, Juha Mykkänen and Anne Eerola</i>	
Interoperability Research in the European Union.....	445
<i>Arian Zwegers</i>	
The Knowledge Web Network of Excellence	447
<i>Enrico Franconi</i>	
Interoperability Contributions of CrossWork.....	449
<i>Nikolay Mehandjiev, Iain Duncan Stalker, Kurt Fessl and Georg Weichhart</i>	

Networked Organisations – Research into Standards and Standardisation	451
<i>Knut Blind and Kai Jakobs</i>	
Methods for the Analysis of Supply Network Processes at European SMEs	453
<i>Markus Rabe</i>	
The INTEROP Network of Excellence	455
<i>Jean-Paul Bourrières</i>	
ATHENA - Advanced Technologies for Interoperability of Heterogeneous Enterprise Networks and their Applications.....	459
<i>Rainer Ruggaber</i>	
Terregov: eGovernment Interoperability on a Semantically Driven World	461
<i>Santos Vicente, María Pérez, Xavier García, Ana Gimeno and Javier Naval</i>	
Author Index.....	465