

OnTheMove 2007 Conference Program

MONDAY 26

DOA

Mon 26 Nov

08:00-09:00 registration

09:00-10:00 OTM Opening, DOA'07 Keynote
Mark Little, Red Hat
Transaction processing in a Service Oriented Architecture

10:00-10:30 Coffee break

10:30-12:30 **Session 1: Middleware and Web Services**
Session Chair: Pascal Felber

Flexible Reuse of Middleware Infrastructures in Heterogeneous IT Environments
Ralf Wagner and Bernhard Mitschang

Self-optimization of Clustered Message-Oriented Middleware
Christophe Taton, Noel De Palma, Sara Bouchenak, Daniel Hagimont

Minimal Traffic-constrained Similarity-based SOAP Multicast
Khoi Anh Phan, Zahir Tari, Peter Bertok, Andrew Fry

Implementing a State-based Application Using Web Objects in XML
Carlos R. Jaimez and Simon M. Lucas

12:30-14:00 Lunch

14:00-15:30 **Session 2: Mobility and Distributed Algorithms**
Session Chair: Eiko Yoneki

An Adaptive Coupling-Based Algorithm for Internal Clock Synchronization of Large Scale Dynamic Systems
Roberto Baldoni, Angelo Corsaro, Leonardo Querzoni, Sirio Scipioni, Sara Tucci-Piergiovanni

Reviewing Amnesia Support in Database Recovery Protocols
Rubén de Juan-Marín, Luis H. García-Muñoz, J. Enrique Armendáriz-Íñigo, Francesc D. Muñoz-Escoí

Agreements and Policies in Cooperative Mobile Agents: Formalization and Implementation
Fuyuki Ishikawa, Nobukazu Yoshioka, Shinichi Honiden

15:30-16:00 Coffee

16:00-17:30 **Session 3: Aspects**
Session Chair: Caspar Ryan

Experience with Dynamic Crosscutting in Cougaar

John Zinky, Richard Shapiro, Sarah Siracuse, Todd Wright

Property-preserving evolution of components using VPA-based aspects

Dong Ha Nguyen, Mario Südholt

Multi-Stage Aspect-Oriented Composition of Component-based Applications

Bert Lagaisse, Eddy Truyen and Wouter Joosen

17:30- 18:30 **IS'07 Keynote**
Whitfield Diffie, Sun Microsystems
The Past, Present, and Future of Information Security

19:00 **OTM Welcome Reception**

IS

Mon 26 Nov

08:00-09:00 Registration

09:00-10:00 OTM Opening, DOA'07 Keynote
Mark Little, Red Hat
Transaction processing in a Service Oriented Architecture

10:00-10:30 Coffee break

10:30-12:30 Session label: **Access Control and Authentication**
Session chair: **Simão Melo de Sousa, University of Beira Interior (Portugal)**

E-Passport: Cracking Basic Access Control Keys

Yifei Liu (Ruhr University Bochum, Germany), Timo Kasper (Ruhr University Bochum, Germany), Kerstin Lemke-Rust (Ruhr University Bochum, Germany), Christof Para (Ruhr University Bochum, Germany)

Managing Risks in RBAC Employed Distributed Environments

Ebru Celikel (University of Texas at Dallas Richardson, USA), Murat Kantarcioglu (University of Texas at Dallas Richardson, USA), Bhavani Thuraisingham (University of Texas at Dallas Richardson, USA), Elisa Bertino (Purdue University West Lafayette, USA)

STARBAC: Spatiotemporal Role Based Access Control

Subhendu Aich (Indian Institute of Technology, Kharagpur, India), Shamik Sural (Indian Institute of Technology, Kharagpur, India), A. K. Majumdar (Indian Institute of Technology, Kharagpur, India)

Authentication Architecture for eHealth Professionals

Helder Gomes (IEETA/ESTGA- University of Aveiro, Portugal), João Paulo Cunha (IEETA/University of Aveiro, Portugal), André Zúquete (IEETA/University of Aveiro, Portugal)

12:30-14:00 Lunch

14:00-15:30 Session label: **Intrusion Detection**
Session chair: **Henrique Santos, University of Minho (Portugal)**

On RSN-oriented Wireless Intrusion Detection

Alexandros Tsakountakis (University of the Aegean, Greece), Georgios Kambourakis (University of the Aegean, Greece), Stefanos Gritzalis (University of the Aegean, Greece)

A Hybrid, Stateful and Cross-Protocol Intrusion Detection System for Converged Applications

Bazara Imam Ali Barry (University of Cape Town, South-Africa), H. Anthony Chan (University of Cape Town, South-Africa)

Toward Sound-Assisted Intrusion Detection Systems

L. Qi, (University of Ontario Institute of Technology, Canada), M. Vargas Martin (University of Ontario Institute of Technology, Canada), M. Garcia-Ruiz, (University of Colima, Mexico), M. Green (University of Ontario Institute of Technology, Canada), B. Kapralos (University of Ontario Institute of Technology, Canada)

15:30-16:00 Coffee

16:00-17:30 Session label: **System and Services Security**

Session chair: **Mário Freire, University of Beira Interior (Portugal)**

End-to-End Header Protection in Signed S/MIME

Lijun Liao (Ruhr-University Bochum, Germany), Jörg Schwenk, (Ruhr-University Bochum, Germany)

Estimation of Behavior of Scanners based on ISDAS Distributed Sensors

Hiroaki Kikuchi (Tokai University, Japan), Masato Terada (Hitachi, Ltd., Japan), Naoya Fukuno, (Tokai University, Japan), Norihisa Doi (Chuo University, Japan)

A Multi-core Security Architecture based on EFI

Xizhe Zhang (Shanghai Jiao Tong University, China), Yong Xie (Shanghai Jiao Tong University, China), Xuejia Lai (Shanghai Jiao Tong University, China), Shensheng Zhang (Shanghai Jiao Tong University, China), Zijian Deng (Southwest Jiaotong University, China)

17:30- 18:30 **IS'07 Keynote**

Whitfield Diffie, Sun Microsystems

The Past, Present, and Future of Information Security

19:00

OTM Welcome Reception

TUESDAY 27

DOA

Tue 27 Nov

08:00-09:00 Registration

09:00-10:00 ODBASE'07 Keynote
York Sure, SAP
Towards Next Generation Value Networks

10:00-10:30 Coffee break

10:30-12:30 **Session 1: Frameworks**
Session Chair: John Keeney

Building Adaptive Systems with Service Composition Frameworks
Liliana Rosa, Luís Rodrigues, Antónia Lopes

The Conceptualization of a Configurable Multi-party Multi-message Request-Reply Conversation
N. Mulyar, L. Aldred, W.M.P. van der Aalst

A Bluetooth-based JXME infrastructure
Carlo Blundo and Emiliano De Cristofaro

12:30-14:00 Lunch

14:00-15:30 **session 2: Development Tools and Testbeds**
Session Chair: Pascal Felber

An Eclipse-based Tool for Symbolic Debugging of Distributed Object Systems
Giuliano Mega and Fabio Kon

NSLoadGen - A Testbed for Notification Services
Diego Palmisano and Mariano Cilia

Invasive patterns for distributed programs
Luis Daniel Benavides Navarro, Mario Stüdholt, Remi Douence, Jean-Marc Menaud

15:30-16:00 Coffee

16:00-17:30 Poster session

AWSM: Infrastructure for Adaptive Web Service Migration
Holger Schmidt, Rüdiger Kapitza, Franz J. Hauck, Hans P. Reiser
Generic Proxies - Supporting Data Integration Inside the Database
Andrei Vancea, Michael Grossniklaus, Moira C. Norrie

A Deterministic Database Replication Protocol Where Multicast Writesets Never Got Aborted
J. R. Juárez-Rodríguez, J. E. Armendáriz-Íñigo, F. D. Muñoz-Escoí, J. R. González de Mendivil, J. R. Garitagoitia

Data Synchronization in an Instance-Mapped P2P
Md Mehedi Masud, Iluju Kiringa and Hasan Ural

ODBASE

Tue 27 Nov

08:00-09:00 Registration

09:00-10:00 ODBASE'07 Keynote
York Sure, SAP
Towards Next Generation Value Networks

10:00-10:30 Coffee break

10:30-12:30 Session label: **Ontology Mapping & Matching**
Session chair: **Steffen Staab**

Combining the Semantic Web with the Web as Background Knowledge for Ontology Mapping

Rubén Vázquez (Universidad Politécnica de Madrid, Spain)

Discovering Executable Semantic Mappings Between Ontologies

Han Qin (Computer and Information Science, University of Oregon, USA), Dejing Dou (Computer and Information Science, University of Oregon, USA), Paea LePendu (Computer and Information Science, University of Oregon, USA)

Interoperability of XML Schema Applications with OWL Domain Knowledge and Semantic Web Tools

Chrisa Tsinaraki (TUC/MUSIC, Technical University of Crete Campus, Greece), Stavros Christodoulakis (TUC/MUSIC, Technical University of Crete Campus, Greece)

Matching of Ontologies with XML Schemas using a Generic Metamodel

Christoph Quix (RWTH Aachen University, Informatik 5, Germany), David Kensche (RWTH Aachen University, Informatik 5, Germany), Xiang Li (RWTH Aachen University, Informatik 5, Germany)

12:30-14:00 Lunch

14:00-15:30 Session label: **Semantic Querying**
Session chair: **Michele Missikoff**

Expand and interpret queries to go beyond semantic interoperability

Anthony Ventresque (LINA, University of Nantes, France), Sylvie Cazalens (LINA, University of Nantes, France), Philippe Lamarre (LINA, University of Nantes, France)

SPARQL++ for Mapping between RDF Vocabularies

Axel Polleres, (DERI Galway, National University of Ireland), Francois Scharffe (Leopold-Franzens Universität Innsbruck, Austria), Roman Schindlauer (Department of Mathematics, University of Calabria, Italy)

OntoPath: a Language for retrieving Ontology Fragments

E. Jiménez-Ruiz (Departamento de Lenguajes y Sistemas Informáticos, Universitat Jaume I, Spain), R. Berlanga (Departamento de Lenguajes y Sistemas Informáticos, Universitat Jaume I, Spain), V. Nebot (Departamento de Lenguajes y Sistemas Informáticos, Universitat Jaume I, Spain), I. Sanz, (Departamento de Ingeniería y Ciencia de los Computadores, Universitat Jaume I Spain)

15:30-16:00 Coffee

16:00-17:30 Session label: **Ontology Development I**
Session chair: **Robert Meersman**

Taxonomy Construction using Compound Similarity Measure

Mahmood Neshati, Hassan Abolhassani, Afshin Rahimi (Web Intelligence Laboratory, Computer Engineering Department, Sharif University Of Technology, Iran)

r3: A foundational ontology for reactive rules

José Julio Alferes, Ricardo Amador (Centro de Inteligência Artificial - CENTRIA, Universidade Nova de Lisboa, Portugal)

Heuristics for constructing Bayesian Network based geospatial ontologies

Sumit Sen, Deptt of Computer Science, IIT Bombay (India)

Antonio Krüger, Institute for Geoinformatics, University of Münster (Germany)

IS

Tue 27 Nov

08:00-09:00 registration

09:00-10:00 ODBASE'07 Keynote
York Sure, SAP
Towards Next Generation Value Networks

10:00-10:30 Coffee break

10:30-12:30 Session label: **Network Security**
Session chair: **Mário Freire, University of Beira Interior (Portugal)**

Intelligent Home Network Authentication: Home Device Authentication Using Device Certification

Deok-Gyu Lee (Electronics and Telecommunications Research Institute, Korea), Yun-kyung Lee (Electronics and Telecommunications Research Institute, Korea), Jong-wook Han (Electronics and Telecommunications Research Institute, Korea), Jong Hyuk Park (Kyungnam University, Korea)

Bayesian Analysis of Secure P2P Sharing Protocols

Esther Palomar, Almudena Alcaide, Juan M. Estevez-Tapiador, Julio C. Hernandez-Castro (Carlos III University of Madrid, Spain)

Network Coding Protocols for Secret Key Distribution

Paulo F. Oliveira, J. Barros (IT/Universidade do Porto, Portugal)

3-Party Approach for Fast Handover in EAP-based Wireless Networks

Rafa Marin, Pedro J. Fernández, Antonio F. Gomez (University of Murcia, Spain)

12:30-14:00 Lunch

14:00-15:30 Session label: **Malicious Code and Code Security**
Session chair: **Simão Melo de Sousa, University of Beira Interior (Portugal)**

SWorD: A Simple Worm Detection Scheme

Matt Dunlop (United States Military Academy, West Point, USA), Carrie Gates (CA Labs, Islandia USA), Cynthia Wong (Carnegie Mellon University, Pittsburgh, USA), Chenxi Wang (Carnegie Mellon University, Pittsburgh, USA)

Prevention of Cross-Site Scripting Attacks on Current Web Applications

Joaquin Garcia-Alfaro (Universitat Oberta de Catalunya, Spain), Guillermo Navarro (Universitat Autònoma de Barcelona, Spain)

Compiler Assisted Elliptic Curve Cryptography

M. Barbosa (Universidade do Minho, Braga, Portugal), A. Moss (University of Bristol, UK), D. Page (University of Bristol, UK)

15:30-16:00 Coffee

16:00-17:30 Session label: **Trust and Information Management**

Session chair: **Simão Melo de Sousa, University of Beira Interior (Portugal)**

Trust Management Model and Architecture for Context-Aware Service Platforms

Ricardo Neisse (University of Twente, The Netherlands), Maarten Wegdam (University of Twente, The Netherlands), Marten van Sinderen (University of Twente, The Netherlands), Gabriele Lenzini (Telematica Instituut, Enschede, The Netherlands)

Mobile Agent Protection in e-businesses Applications : A Dynamic Adaptability Based Approach

Haoua Cheribi (Mentouri University, Constantine, Algeria), Salima Hacini (Mentouri University, Constantine, Algeria), Zizette Boufaïda (Mentouri University, Constantine, Algeria)

Business Oriented Information Security Management – A Layered Approach

Philipp Klempt (Ruhr-University of Bochum, Germany), Hannes Schmidpeter (sd&m AG, Munich, Germany), Sebastian Sowa (Ruhr-University of Bochum, Germany), Lampros Tsinas (Munich Re, Germany)

WEDNESDAY 28

DOA

Wed 28 Nov

08:00-09:00 Registration

09:00-10:00 CoopIS'07 Keynote
Donald Ferguson, Microsoft
The Internet Service Bus

10:00-10:30 Coffee break

10:30-12:30 Session: **Dependability and Security**
Session Chair: **Manfred Reichert**

Resilient Security for False Event Detection without Loss of Legitimate Events in Wireless Sensor Networks
Yuichi Sei, Shinichi Honiden

Formal Verification of a Group Membership Service Through Model Checking
Valério Rosset, Pedro F. Souto, Francisco Vasques

Revisiting Certification-Based Replicated Database Recovery
M. I. Ruiz Fuertes, J. Pla-Civera, J. E. Armendáriz-Íñigo, J. R. González de Mendivil, F. D. Muñoz-Escoí

A Survey of Fault Tolerant CORBA Systems
Muhammad Fahad

12:30-14:00 Lunch

ODBASE

Wed 28 Nov

08:00-09:00 Registration

09:00-10:00 CoopIS'07 Keynote
Donald Ferguson, Microsoft
The Internet Service Bus

10:00-10:30 Coffee break

10:30-12:30 Session label: **Annotation, Learning & Text Mining**
Session chair: **Tharam Dillon**

Optimal learning of ontology mappings from human interactions
Sumit Sen, (Institute for Geoinformatics, University of Münster, Germany), Dolphy Fernandes (Deptt of Computer Science, IIT Bombay, India), N. L. Sarda, (Deptt of Computer Science, IIT Bombay, India)

Automatic feeding of an innovation knowledge base using a semantic representation of field knowledge

Issam Al haj hasan, Michel Schneider, Grigore Gogu (Laboratoire de Mécanique et Ingenieries, Campus de Clermont-Ferrand/les Cézeaux, France)

Labeling Data Extracted from the Web

Altigran S. da Silva (Universidade Federal do Amazonas, Brazil), Denilson Barbosa (University of Calgary, Canada), João M. B. Cavalcanti (Universidade Federal do Amazonas, Brazil), Marco A. S. Sevalho (Universidade Federal do Amazonas, Brazil)

Ontology Learning for Search Applications

Jon Atle Gulla (Department of Computer and Information Science, Norwegian University of Science and Technology, Norway), Hans Olaf Borch (Department of Computer and Information Science, Norwegian University of Science and Technology, Norway), Jon Espen Ingvaldsen (Department of Computer and Information Science, Norwegian University of Science and Technology, Norway)

12:30-14:00 Lunch

14:00-15:30 Session label: **Ontology Development II**
Session chair: **Ernesto Damiani**

OntoCase - A Pattern-based Ontology Construction Approach

Eva Blomqvist (Jönköping University, Sweden)

Towards Community-based Evolution of Knowledge-intensive Systems

Pieter De Leenheer, Robert Meersman (STARLab, Vrije Universiteit Brussel, Belgium)

ImageNotion: Methodology, Tool Support and Evaluation

Andreas Walter (FZI Forschungszentrum Informatik, Germany), Gábor Nagypál (disy Informationssysteme GmbH, Germany)

15:30-16:00 Coffee

16:00-18:00 Session label: **Ontology Applications**
Session chair: **Elizabeth Chang**

Data Quality Enhancement of Databases using Ontologies and Inductive Reasoning

Olivier Cure (S3IS Université Paris Est, France), Robert Jeansoulin, IGM Université Paris Est, France)

A Web services-based annotation application for semantic annotation of highly specialised documents about the field of Marketing

M. Arguello (Research Institute of the Built and Human Environment, The University of Salford, UK), M.M. Abusa (Research Institute of the Built and Human Environment, The University of Salford, UK), M.J. Fernandez (School of Languages, The University of Salford, UK), V. Brookes (School of Languages, The University of Salford, UK), F.H. Abanda (Research Institute of the Built and Human Environment, The University of Salford, UK)

MultiBeeBrowse - Accessible Browsing on Unstructured Metadata

Sebastian Ryszard Kruk (Digital Enterprise Research Institute, NUI Galway, Ireland), Adam Gzella (Digital Enterprise Research Institute, NUI Galway, Ireland), Filip Czaja (WETI, Gdansk University of Technology, Poland), Wladyslaw Bultrowicz (WETI, Gdansk University of Technology, Poland), Ewelina Kruk (Digital Enterprise Research Institute, NUI Galway, Ireland)

Ontology Based Categorization in eGovernment Application

Claude Moulin (University of Compiègne, CNRS, Heudiasyc, Centre de Recherches de Royallieu, France), Fathia Bettahar, University of Compiègne, CNRS, Heudiasyc, Centre de

Recherches de Royallieu, France), Jean-Paul Barthes (University of Compiègne, CNRS, Heudiasyc, Centre de Recherches de Royallieu France)
Marco Luca Sbodio (Italy Innovation Center, Hewlett Packard Italiana, Italy)

Semantic Matching based on Enterprise Ontologies

Andreas Billig (Jönköping University, Sweden), Eva Blomqvist (Jönköping University, Sweden), Feiyu Lin (Jönköping University, Sweden)

CoopIS

Wed 28 Nov

08:00-09:00 Registration

09:00-10:00 CoopIS'07 Keynote
Donald Ferguson, Microsoft
The Internet Service Bus

10:00-10:30 Coffee break

10:30-12:30 **Session 1: Process Verification**

Soundness Verification of Business Processes Specified in the Pi-Calculus

Frank Puhlmann

On the Connection between Process Model Errors and Metrics

Jan Mendling, Gustaf Neumann, Wil van der Aalst

Pattern-Based Design and Validation of Business Process Compliance

Kioumars Namiri, Nenad Stojanovic

12:30-14:00 Lunch

14:00-15:30 **Session 2: Transaction Support in Models**

Coordinate BPEL Scopes and Processes by Extending the WS-Business Activity Framework

Stefan Pottinger, Ralph Mietzner, Frank Leymann

Dynamic, Extensible and Context-Aware Exception Handling for Workflows

Michael Adams, Arthur H.M. ter Hofstede, W.M.P. van der Aalst and David Edmond

A Multi-Level Model for Activity Commitments in E-contracts

K. Vidyasankar, P. Radha Krishna and Kamalakar Karlapalem

15:30-16:00 Coffee

16:00-17:30 **Session 3: Ensuring Transactional Properties**

Decentralised Commitment for Optimistic Semantic Replication

Pierre Sutra, João Barreto, Marc Shapiro

Verifying Composite Service Recovery Mechanisms: A Transactional Approach based on Event Calculus

Walid Gaaloul, Mohsen Rouached, Claude Godart and Manfred Hauswirth

Acquaintance Based Consistency in an Instance-Mapped P2P Data Sharing System During Transaction Processing

Md Mehedi Masud, Iluju Kiringa, and Hasan Ural

THURSDAY 29

CoopIS

Thu 29 Nov

08:00-09:00 Registration

09:00-10:00 GADA'07 Keynote
Dennis Gannon, Indiana University
A Service Architecture for eScience Grid Gateways

10:00-10:30 Coffee break

10:30-12:30 **Session 4: Process Modeling**

Extending BPMN for Modeling Complex Choreographies
Gero Decker, Frank Puhlmann

Semantics of BPMN Process Models with ORjoins
Marlon Dumas, Alexander Grosskopf, Thomas Hettel, Moe Wynn

Data-driven Modeling and Coordination of Large Process Structures
Dominic Müller, Manfred Reichert, Joachim Herbst

12:30-14:00 Lunch

14:00-15:30 **Session 5: Adaptable Workflows**

Constraint-Based Workflow Models: Change Made Easy
M. Pesic, M.H. Schonenberg, N. Sidorova, and W.M.P. van der Aalst

Supporting Ad-hoc Changes in Distributed Workflow Management Systems
Manfred Reichert, Thomas Bauer

Extending Online Travel Agency with Adaptive Reservations
Yu Zhang, Wenfei Fan, Huajun Chen, Sheng Hao

15:30-16:00 Coffee

16:00-18:00 **Session 6: Semantics and Quality**

Organizing Meaning Evolution Supporting Systems Using Semantic Decision Tables
Yan Tang, Robert Meersman

Ontology Enrichment in Multi Agent Systems Through Semantic Negotiation (short paper)
Salvatore Garruzzo and Domenico Rosaci

The OpenKnowledge System: an interaction centered approach to knowledge sharing (short paper)
Ronny Siebes, Dave Dupplaw, Spyros Kotoulas, Adrian Perreau de Pinninck, Frank van Harmelen, David Robertson

Business Process Quality Metrics: Log-based Complexity of Workflow Patterns (short

paper)
Jorge Cardoso

GADA

Thu 29 Nov

08:00-09:00 Registration

09:00-10:00 GADA'07 Keynote
Dennis Gannon, Indiana University
A Service Architecture for eScience Grid Gateways

10:00-10:30 Coffee break

10:30-12:30 Session 1: **Data and storage**
Session Chair: **Pilar Herrero**

Transforming the adaptive irregular out-of-core applications for Hiding Communication and disk I/O

Changjun Hu, Guangli Yao, Jue Wang and Jianjiang Li (School of Information Engineering, University of Science and Technology Beijing, China)

An Adaptive Data Block Placement based on Deterministic Zones (AdaptiveZ)

J.L.Gonzalez and Toni Cortes (Universitat Politecnica de Catalunya and Barcelona Supercomputing Center, Spain)

Keyword Based Indexing and Searching over Storage Resource Broker (SRB)

Adnan Abid, Muhammad Asif Jan, Laurent Francioli, Felix Schuerman (NUST Institute of IT Rawalpindi, Pakistan and Brain Mind Institute, Swiss Federal Institute of Technology, Laussane, Switzerland)

Parallel Implementation of a Neural Net Training Application in a Heterogeneous Grid Environment

Rafael Menéndez de Llano (Universidad de Cantabria, Santander, Spain), José Luis Bosque (Universidad de Cantabria, Santander, Spain)

12:30-14:00 Lunch

14:00-15:30 Session 2: **Networks**
Session Chair: **José Luis Bosque**

eCube: Hypercube Event for Efficient Filtering in Content-Based Routing

Eiko Yoneki (University of Cambridge, Computer Laboratory Cambridge, UK)

Combining Incomparable Public Session Keys and Certificateless Public Key Cryptography for Securing the Communication between Grid Participants

Elvis Papalilo and Bernd Freisleben (University of Marburg, Germany)

15:30-16:00 Coffee

16:00-17:30 Session 3: **Collaborative Grid Environment and Scientific Grid Applications (6 short papers)**
Session Chair: **Toni Cortés**

A Service-oriented Platform for the Enhancement and Effectiveness of the Collaborative Learning Process in Distributed Environments

Santi Caballé (Open University of Catalonia, Barcelona, Spain)

Social Networking to support Collaboration in Computational Grids

Oscar Ardaiz (Public University of Navarra, Spain), Isaac Chao (Technical University of Catalonia, Barcelona, Spain), Ramón Sangüesa (Technical University of Catalonia, Barcelona, Spain).

A Policy Based Approach to Managing Shared Data in Dynamic Collaborations

Surya Nepal, John Zic, Julian Jang (ICT Centre, Australia)

Grid Service Composition in BPEL for Scientific Applications

Onyeka Ezenwoye, S. Masoud Sadjadi, Ariel Cary, Michael Robinson (Florida International Service, Miami)

Efficient Assignment of Grid Resources using a Bi-level Decision-making Architecture for “Processable” Bulk Data

Imran Ahmad, Shikharesh Majumdar

Towards an open Grid marketplace framework for resources trade

Nejla Amara-Hachmi, Xavier Vilajosana, Ruby Krishnaswamy, Joan Manuel Marques (France Telecom R&D, France; Universitat Politècnica de Catalunya, Barcelona, Spain; Universitat Oberta de Catalunya, Barcelona, Spain)

FRIDAY 30

CoopIS

Fri 30 Nov

10:30-12:30 Session 7: **Discovery and Analysis**

Social topology analyzed

Njaal Borch, Anders Andersen and Lars K. Vognild

Matching Cognitive Characteristics of Actors and Tasks (short paper)

S.J. Overbeek, P. van Bommel, H.A. (Erik) Proper, and D.B.B. Rijsenbrij

Policy-based Service Registration and Discovery (short paper)

Tan Phan, Jun Han, Jean-Guy Schneider, Tim Ebringer, Tony Rogers

12:30-14:00 Lunch

14:00-15:30 Session 8: **P2P**

Trust Extension Device: Providing Mobility and Portability of Trust in Cooperative Information Systems

Surya Nepal, John Zic, Hon Hwang, David Moreland

Enabling Selective Flooding to Reduce P2P Traffic

Francesco Buccafurri and Gianluca Lax

Improving the Dependability of Prefix-Based Routing in DHTs

Sabina Serbu, Peter Kropf and Pascal Felber

15:30-16:00 Coffee

16:00-17:30 Session 9: **Collaboration**

A Relaxed but not Necessarily Constrained Way from the Top to the Sky (short paper)

Katja Hose, Christian Lemke, Kai-Uwe Sattler, Daniel Zinn

Conflict Resolution of Boolean Operations by Integration in Real-Time Collaborative CAD Systems

Yang Zheng, Chengzheng Sun, Haifeng Shen, Steven Xia

Collaborative Filtering based on Opportunistic Information Sharing in Mobile Ad-Hoc Networks (short paper)

Alexandre de Spindler and Moira C. Norrie and Michael Grossniklaus

GADA

Fri 30 Nov

10:30-12:30 Session 1: **Scheduling**
Session Chair: **María S. Pérez**

A hybrid algorithm for scheduling workflow applications in Grid environments (ICPDP)
Bogdan Simion, Catalin Leordeanu, Florin Pop, Valentin Cristea (University "Politehnica" of

Bucharest, Rumania)

Contention-free Communication Scheduling for Group Communication in Data Parallelism

Jue Wang, Changjun Hu, Jianjiang Li (School of Information Engineering, University of Science and Technology Beijing, China)

SNMP-based Monitoring Agents and Heuristic Scheduling for large scale Grids

Edgar Magaña, Laurent Lefevre, Masum Hasan and Joan Serrat (Cisco Systems Inc, San Jose, USA; Universitat Politecnica de Catalunya Barcelona, Spain; INRIA RESO / LIP Laboratory, Lyon, France)

HARC: The Highly-Available Resource Co-allocator

Jon MacLaren (Louisiana State University, Baton Rouge, USA)

12:30-14:00 Lunch

14:00-15:30 Session 2: **Middleware**

Session Chair: **Jon MacLaren**

Assessing a distributed market infrastructure for economics-based service selection

Rene Brunner, Isaac Chao, Pablo Chacin, Felix Freitag, Leandro Navarro, Oscar Oardaiz, Liviu Joita, Omer F. Rana (University Politecnica of Catalonia, Barcelona, Spain; Public University of Navarra, Spain; Cardiff University, UK)

Grid Problem Solving Environment for Stereology Based Modeling

Július Parulek, Marek Ciglan, Branislav Šimo, Miloš Šrámek, Ladislav Hluchý and Ivan Zahradník (Comenius University, Bratislava, Slovakia; Institute of Informatics, Slovakia; Academy of Science, Slovakia; Institute of Molecular Physiology and Genetics, Slovakia)

Managing Dynamic Virtual Organizations to get Effective Cooperation in Collaborative Grid Environments

Pilar Herrero, José Luis Bosque, Manuel Salvadores, María S. Pérez (Universidad Politecnica de Madrid, Spain; Universidad de Cantabria, Santander, Spain)

15:30-16:00 Coffee

16:00-18:30 Session 3: **Data analysis**

Session Chair: **Laurent Lefevre**

Sidera: a cluster-based server for Online Analytical Processing

Todd Eavis, George Dimitrov, Ivan Dimitrov (Concordia University, Montreal, Canada)

Access Control Management in Open Distributed Virtual Repositories and the Grid

Adam Wierzbicki, Łukasz Żaczek, Radosław Adamus (Polish-Japanese Institute of Information Technology, Computer Engineering Department, Technical University of Lodz, Poland)

Session 4: **Scheduling and Management (5 short papers)**

Session Chair: **Adam Wierzbicki**

Generalized load sharing for Distributed operating system

MS.S.Bama, A. Satheesh

An application-level service control mechanism for QoS-based Grid scheduling

Claudia Di Napoli and Maurizio Giordano, (Istituto di Cibernetica "E. Caianiello", Naples, Italy)

Fine Grained Access Control with Trust and Reputation Management for Globus

M. Colombo, F. Martinelli, P. Mori, M. Petrocchi, A. Vaccarelli (Istituto di Informatica e Telematica, Consiglio Nazionale delle Ricerche, Pisa, Italy)

Vega: A Service-Oriented Grid Workflow Management System

Rafael Tolosana-Calasanz, José Ángel Bañares, Pedro Álvarez, Joaquín Ezpeleta (University of Zaragoza, Spain)