MONDAY 30 Oct

MON REGISTRATION DESK
08:00-09:00 OTM registration

MON ROOM.Amphi:
SHARED WELCOME AND KEYNOTE SESSION
09:00-09:30 OTM Opening, DOA Opening by General & PC Chairs
09:30-10:30 DOA'06 KEYNOTE:
Alois Ferscha (Johannes Kepler Universitat, Linz)
“Everyobjects in the Pervasive Computing Landscape”

ROOM.X DOA (day 1/3)
08:00-09:00 Registration
09:00-10:30 OTM Opening, DOA Opening, Keynote & Coffee
10:30-12:30 DOA.1: Services - Chair: Judith Bishop
   Using Selective Acknowledgements to Reduce the Memory Footprint of Replicated Services
   Roy Friedman, Erez Hadad (Technion – Israel Institute of Technology, Israel)
   Modularization of distributed web services using AWED
   Luis Daniel Benavides Navarro, Mario Südholt (École des Mines de Nantes - INRIA, France);
   Wim Vanderperren, Bart Verheecke (Vrije Universiteit Brussel, Belgium)
   ANIS: A Negotiated Integration of Services in Distributed Environments
   Noha Ibrahim, Frédéric Le Mouël (INSA Lyon, France)
12:30-14:00 Lunch
14:00-15:30 DOA.2: Communications - Chair: Nour Ali
   Towards a Generic Group Communication Service
   Nuno Carvalho (University of Lisbon, Portugal), José Pereira (University of Minho, Portugal),
   Luís Rodrigues (University of Lisbon, Portugal)
   Optimizing Publish/Subscribe Systems by Advertisement Pruning
   Sven Bittner, Annika Hinze (The University of Waikato, New Zealand)
   A Specification-to-Deployment Architecture for Overlay Networks
   Stefan Behnel, Alejandro Buchmann (Darmstadt University of Technology, Germany);
   Paul Grace, Barry Porter, Geoff Coulson (Lancaster University, UK)
15:30-16:00 Coffee
16:00-17:30 DOA.3: Searching Techniques - Chair: Rüdiger Kapitza
**Distributed Lookup in Structured Peer-to-Peer Ad-Hoc Networks**
Raphaël Kummer, Peter Kropf, Pascal Felber (University of Neuchâtel, Switzerland)

**A Document-centric Component Framework for Document Distributions**
Ichiro Satoh (National Institute of Informatics, Japan)

**Shepherdable Indexes and Persistent Search Services for Mobile Users**
Michael Higgins, Dominic Widdows, Magesh Balasubramanya, Peter Lucas, David Holstius (MAYA Design Inc., Pennsylvania, USA)

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**TUESDAY 31 Oct**

**TUE** REGISTRATION DESK

08:00-09:00 OTM registration

**TUE** SHARED WELCOME AND KEYNOTE SESSION

09:00-09:30 ODBASE Opening by General & PC Chairs
09:30-10:30 ODBASE’06 KEYNOTE

Marie-Christine Rousset (University of Grenoble)

“SomeWhere: a scalable peer-to-peer infrastructure for querying distributed ontologies”

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**ROOM.X DOA (day 2/3)**

08:00-09:00 Registration
09:00-10:30 ODBASE Opening, Keynote & Coffee
10:30-12:30 DOA.4: **Types and Notations** - Chair: Sophie Chabridon (INT)

**Distributed Abstract Data Types**
Gian Pietro Picco, Matteo Migliavacca (Politecnico di Milano, Italy); Amy L. Murphy (University of Lugano, Switzerland); Gruia-Catalin Roman (Washington University, USA)

**Aligning UML 2.0 State Machines and Temporal Logic for the Efficient Execution of Services**
Frank Alexander Kraemer, Peter Herrmann, Rolv Bræk (NTNU, Norway)

**Developing Mobile Ambients using an Aspect-Oriented Software Architectural Model**
Nour Ali, Carlos Millán, Isidro Ramos (Polytechnic University of Valencia, Spain)

12:30-14:00 Lunch
14:00-15:30 DOA.5: **Adaptivity** - Chair: Pascal Felber

**Component QoS Contract Negotiation in Multiple Containers**
Mesfin Mulugeta, Alexander Schill (Dresden University of Technology, Germany)
**RIMoCoW, a Reconciliation Infrastructure for Corba Component-based Applications in Mobile Environments**  
Lydialle Chateigner, Chabridon Bernards (CNRS, Évry, France)

**A Component-based Planning Framework for Adaptive Systems**  
Mourad Alia (Simula Research Lab, Norway), Geir Horn (SINTEF ICT, Norway), Mohammad Ullah Khan (University of Kassel, Germany), Frank Eliassen (Simula Research Lab, Norway), Rolf Fricke (Condat AG, Germany), Roland Reichle (University of Kassel, Germany)

15:30-16:00 Coffee  
16:00-17:30 DOA Poster Session

**Distributed Adaptation Reasoning for a Mobility and Adaptation Enabling Middleware**  
Nearchos Paspallis, George A. Papadopoulos, University of Cyprus, Nicosia (Cyprus)

**Scheduling of Composite Web Services**  
Dmytro Dyachuk, Ralph Deters (University of Saskatchewan, Canada)

**Handling and Resolving Conflicts in Real Time Mobile Collaboration**  
Sandy Citro, Jim McGovern, Caspar Ryan (RMIT University, Australia)

**A Configurable Event Correlation Architecture for Adaptive J2EE Applications**  
Yan Liu (National ICT Australia), Ian Gorton (University of New South Wales, Australia), Vinh Khanh Le (University of Technology, Australia)

**Autonomous Deployment and Reconfiguration of Component-Based Applications in Open Distributed Environments**  
Jérémy Dubus, Philippe Merle (Université des Sciences et Technologies de Lille, France)

**Dynamic Integration of Peer-to-Peer Services into a CORBA compliant Middleware**  
Rüdiger Kapitza (University of Erlangen-Nürnberg, Germany); Udo Bartlang (Siemens AG, Corporate Technology, Germany); Holger Schmidt, Franz J. Hauck (University of Ulm, Germany)

**Automated Deployment of Enterprise Systems in Grids**  
Takoua Abdellatif (BULL SA, LSR-IMAG/INRIA, France); Didier Hoareau, Yves Mahéo (University of South Brittany, France)

**Supporting Reconfigurable Object Distribution for Customizable Web Applications**  
Po-Hao Chang, Gul Agha (University of Illinois at Urbana-Champaign, USA)

**Definition and Theoretical Validation of Coupling Metrics for Predicting Maintainability in Service-Oriented Designs**  
Mikhail Perepletchikov, Caspar Ryan, Keith Frampton (RMIT University, Australia)
ROOM 5  ODBASE (day 1/3)

08:00-09:00  registration
09:00-10:30  ODBASE Opening, Keynote & coffee
10:30-12:30  ODBASE.1:  **Foundation** - Session chair: TBA

*Querying Ontology Based Database Using OntoQL (an Ontology Query Language)*
Stéphane Jean, Yamine Aït-Ameur, Guy Pierra (LISI-ENSMA and University of Poitiers)

*Description Logic Reasoning with Syntactic Updates*
Christian Halaschek-Wiener (University of Maryland), Bijan Parsia (The University of Manchester, UK), and Evren Sirin (University of Maryland)

*Folksonomies and ontologies: how the twain can meet*
Peter Spyns, Aldo de Moor, Jan Vandebussche and Robert Meersman (Vrije Universiteit Brussel)

*Transactional Behavior of Workflow Instances*
Tatiana A. S. C. Vieira and Marco A. Casanova (Pontifical Catholic University of Rio de Janeiro)

12:30-14:00  lunch
14:00-15:30  ODBASE.2:  **Information Integration**  
- Chair: Nick Bassiliades (Aristotle University of Thessaloniki)

*Virtual Integration of existing web databases for the genotypic selection of cereal cultivars*
Sonia Bergamaschi and Antonio Sala (Universita' di Modena e Reggio Emilia)

*SMOP: A Semantic Web and Service Driven Information Gathering Environment for Mobile Platforms,*
Özgür Gümüs, Geylani Kardas, Oguz Dikenelli, Riza Cenk Erdur, Ata Önal (Ege University, Turkey)

*Integrating data from the web by machine-learning tree-pattern queries*
Benjamin Habegger and Denis Debarbieux (University of Rome "La Sapienza", Italy)

*Combining Web-based Searching Techniques with Latent Semantic Analysis to Discover Similarity Between Phrases*
Sean M. Falconer (University of Victoria), Dmitri Maslov (University of Waterloo), and Margaret-Anne Storey (University of Victoria)

15:30-16:00  coffee
16:00-17:30  ODBASE.3:  **Ontology Alignment**  - Chair: Peter Spyns, Free University of Brussels

*Semantic Similarity of Ontology Instances Tailored on the application Context*
Riccardo Albertoni, Monica De Martino (IMATI-CNR, Italy)

*Finding Similar Objects Using a Taxonomy: A Pragmatic Approach*
Peter Schwarz (IBM Almaden Research Center), Yu Deng (IBM Almaden Research Center), Julia Rice (University of Maryland)

*Towards an Inductive Methodology for Ontology Alignment Through Instance Negotiation*
Ignazio Palmisano (Università degli Studi di Bari, Italy), Luigi Iannone (Liverpool University, UK), Domenico Redavid (Università degli Studi di Bari, Italy), Giovanni Semeraro (Università degli Studi di Bari, Italy)
**WEDNESDAY 01 Nov**

**REGISTRATION DESK**
08:00-09:00 OTM registration

**ROOM.Amphi:**
**SHARED WELCOME AND KEYNOTE SESSION**
09:00-09:30 CoopIS’06 Opening by General & PC Chairs
09:30-10:30 CoopIS’06 KEYNOTE

**Frank Leymann (University of Stuttgart, Germany)**
“Workflow-Based Cooperation and Coordination in a Service World”

**ROOM.X  DOA (day 3/3)**
08:00-09:00 Registration
09:00-10:30 CoopIS Opening, Keynote & Coffee
10:30-12:30 DOA.6: **Middleware** - Chair: Torben Weis

*A Case for Event-driven Distributed Objects*
Aliandro Lima, Walfredo Cirne, Francisco Brasilheiro, Daniel Fireman
(Universidade Federal de Campina Grande, Brazil)

*MoCoA: Customisable Middleware for Context-aware Mobile Applications*
Aline Senart, Raymond Cunningham, Mélanie Bouroche, Neil O’Connor, Vinny Reynolds, Vinny Cahill (Trinity College Dublin, Ireland)

*A Framework for Adaptive Mobile Objects in Heterogeneous Environments*
Rüdiger Kapitza (University of Erlangen-Nürnberg, Germany), Holger Schmidt (University of Ulm, Germany), Guido Söldner (University of Erlangen-Nürnberg, Germany), Franz J. Hauck (University of Ulm, Germany)

12:30-14:00 Lunch
14:00-15:30 DOA.7: **Distribution Support** - Chair: Harold Carr

*A Novel Object Pool Service for Distributed Systems*
Samira Sadaoui, Nima Sharifimehr (University of Regina, Canada)
A Java Framework for Building and Integrating Runtime Module Systems
Olivier Gruber (IBM Watson Research Center, New York, USA), Richard S. Hall (Grenoble University, France)

Transparent and Dynamic Code Offloading for Java Applications
Nicolas Geoffray (Laboratoire d’Informatique de Paris, France), Gaël Thomas (LSR/IMAG, France), Bertil Folliot (Laboratoire d’Informatique de Paris, France)

15:30-16:00 Coffee
16:00-17:30 DOA. 8: Self-Organisation - Chair: Kurt Geihs

Self-Organizing and Self-Stabilizing Role Assignment in Sensor/Actuator Networks
Torben Weis (University Stuttgart, Germany); Helge Parzyjegla, Michael A. Jaeger, Gero Mühl (Technical University Berlin, Germany)

Towards Self-Organizing Distribution Structures for Streaming Media
Hans Ole Rafaelsen, Frank Eliassen, Sharath Babu Musumooiri (Simula Research Laboratory, Norway)

Target Manager – A Resource Monitoring Service for Enterprise Distributed Real-time and Embedded Systems
Nilabja Roy, Nishanth Shankaran, Douglas C. Schmidt (Vanderbilt University, USA)

ROOM.5 ODBASE (day 2/3)

08:00-09:00 registration
09:00-10:30 CoopIS Opening, Keynote & coffee
10:30-12:30 ODBASE.4: Ontology Mapping
Chair: Sonia Bergamaschi, Università di Modena e Reggio Emilia

Model-driven Tool Interoperability: an Application in Bug Tracking
Marcos Didonet Del Fabro, Jean Bézivin, Patrick Valduriez (University of Nantes, France)

Reducing the Cost of Validating Mapping Compositions by Exploiting Semantic Relationships
Eduard Dragut (University of Illinois at Chicago), Ramon Lawrence (University of British Columbia Okanagan)

Using fuzzy conceptual graphs to map ontologies
David Doussot, Patrice Buche, Juliette Dibie-Barthelemy (UMR MIA INA P-G/INRA, France), Ollivier Haenmerle (Université Toulouse le Mirail, France)

Formalism-Independent Specification of Ontology Mappings - A Metamodeling Approach
Saartje Brockmans (Universität Karlsruhe (TH), Germany), Peter Haase (Universität Karlsruhe (TH), Germany), Heiner Stuckenschmidt (University of Mannheim, Germany)

12:30-14:00 lunch
14:00-15:30 ODBASE.5: Metadata
Chair: Sonia Bergamaschi, Università di Modena e Reggio Emilia
**An Open Architecture for Ontology-enabled Content Management System – A Case Study in Managing Learning Objects**
Duc Minh Le, Lydia Lau (Imperial College London, University of Leeds)

**Ontology supported automatic generation of high-quality semantic metadata**
Ümit Yoldas (Conemis AG, Karlsruhe, Germany) and Gábor Nagypál (University of Karlsruhe, Germany)

**Brokering multisource data with quality constraints**
Danilo Ardagna, Cinzia Cappiello, Chiara Francalanci, Annalisa Groppi (Politecnico di Milano, Italy)

15:30-16:00 coffee
16:00-17:30 ODBASE.6: **Design**
- Chair: Andreas Schmidt (FZI Research Center for Information Technologies)

**Enhancing Business Analysis function with Semantics**
Sean O’Riain (Hewlett-Packard), Peter Spyns (Vrije Universiteit Brussel)

**Ontology Engineering: A Reality Check**
Elena Paslaru Bontas Simperl (Free University of Berlin, Germany) and Christoph Tempich (University of Karlsruhe, Germany)

**Conceptual Design for Domain and Task Specific Ontology-Based Linguistic Resources**
Antonio Vaquero (Universidad Complutense de Madrid, Spain), Fernando Saenz (Universidad Complutense de Madrid, Spain), Francisco Alvarez (Universidad Autónoma de Sinaloa, Mexico), Manuel de Buenaga (Universidad Europea de Madrid, Spain)

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**ROOM.6 CoopIS (day 1/3)**

08:00-09:00 registration
09:00-10:30 CoopIS Opening, Keynote & coffee

10:30-12:30 CoopIS.1: **Workflow Modelling**
– Chair: Mohand-Said Hacid, Universite Claude Bernard Lyon 1

*WorkflowNet2BPEL4WS: A Tool for Translating Unstructured Workflow Processes to Readable BPEL*
Kristian Bisgaard Lassen (University of Aarhus, Denmark) and Wil M.P. van der Aalst (Eindhoven University of Technology, The Netherlands)

*Let's Dance: A Language for Service Behavior Modeling*
Johannes Maria Zaha (Queensland University of Technology, Australia), Alistair Barros (SAP Research Centre, Australia); Marlon Dumas, Arthur ter Hofstede (Queensland University of Technology, Australia)

*Dependability and Flexibility Centered Approach for Composite Web Services Modeling*
Neila Benlakhal, Takashi Kobayashi, and Haruo Yokota (Tokyo Institute of Technology)

*A gestures and freehand writing interaction based Electronic Meeting Support System with handhelds*
Nelson Baloian, Gustavo Zurita, Felipe Baytelman (University of Chile, Chile)
12:30-14:00  Lunch
14:00-15:30  CoopIS.2: **Dynamic and Adaptable Workflows**  
Chair: Eric Proper, Radboud University

**Evolution of Process Choreographies in DYCROP**  
Stefanie Rinderle (University of Ulm, Germany), Andreas Wombacher (University of Twente, The Netherlands), Manfred Reichert (University of Twente, The Netherlands)

**Worklets: A Service-Oriented Implementation of Dynamic Flexibility in Workflows**  
Michael Adams (Queensland University of Technology), Arthur H.M. ter Hofstede (Queensland University of Technology), David Edmond (Queensland University of Technology), W.M.P. van der Aalst (Eindhoven University of Technology, The Netherlands)

**Change Mining in Adaptive Process Management Systems**  
Christian W. Günther (Eindhoven University of Technology, The Netherlands), Stefanie Rinderle (University of Ulm, Germany), Manfred Reichert (University of Twente, The Netherlands), Wil M. P. van der Aalst (Eindhoven University of Technology, The Netherlands)

15:30-16:00  coffee
16:00-17:30  CoopIS.3: **P2P Systems** – Chair: Manfred Reichert, University of Twente

**An Adaptive Probabilistic Replication Method for Unstructured P2P Networks**  
Dimitrios Tsoumakos and Nick Roussopoulos (University of Maryland, USA)

**Towards Truthful Feedback in P2P Data Structures**  
Erik Buchmann, Klemens Böhm and Christian von der Weth (Universität Karlsruhe (TH), Germany)

**Efficient Peer-to-Peer Belief Propagation**  
Roman Schmidt and Karl Aberer (EPFL)

**A Probabilistic Approach to Reduce the Number of Deadline Violations and the Tardiness of Workflows (Poster)**  
Johann Eder (University of Vienna, Austria), Hannes Eichner and Horst Pichler (University of Klagenfurt, Austria)

**Specifying Instance Correspondence in Collaborative Business Processes (Poster)**  
Xiaohui Zhao, Chengfei Liu and Yun Yang (Swinburne University of Technology, Australia)

**Middleware Support for Monitoring: Privacy and Audit in Healthcare Applications (Poster)**  
Brian Shand and Jem Rashbass (University of Cambridge, UK)

**Establishing Agile Partnerships in Open Environments (Poster)**  
I D Stalker, M Carpenter and N D Mehandjiev (University College London, UK)

**A new tool to check UML participation constraints (Poster)**  
Djamel Berrabah (Collab Sys Dev)

**Service Composition and Deployment for a Smart Items Infrastructure (Poster)**  
Holger Ziekow (Humboldt-Universität zu Berlin, Germany), Artin Avanes (Humboldt-Universität zu Berlin, Germany), Christof Bornhövd (SAP Labs, USA)
THURSDAY 02 Nov

THU  REGISTRATION DESK
08:00-09:00  OTM registration

THU  ROOM.Amphib: SHARED WELCOME AND KEYNOTE SESSION
09:00-09:30  GADA Opening by General & PC Chairs
09:30-10:30  GADA'06 KEYNOTE:
Daniel S. Katz (Louisiana State University and Jet Propulsion Laboratory)
“Data-Oriented Distributed Computing for Science: Reality and Possibilities”

ROOM.5  ODBASE (day 3/3)
08:00-09:00  registration
09:00-10:30  GADA Opening, Keynote & coffee
10:30-12:30  ODBASE.7: Agents - Chair: Yamine Ait-Ameur (ENSMA)
HISENE2: A Reputation-based Protocol for Supporting Semantic Negotiation
Salvatore Garruzzo and Domenico Rosaci (Università Mediterranea di Reggio Calabria)

An HL7-aware multi-agent system for efficiently handling query answering in an e-health context
Pasquale De Meo, Gabriele Di Quarto, Giovanni Quattrone, Domenico Ursino (Università degli Studi Mediterranea di Reggio Calabria)

PersoNews: A Personalized News Reader Enhanced by Machine Learning and Semantic Filtering,
Evangelos Banos, Ioannis Katakis, Nick Bassiliades, Grigorios Tsoumakas, Ioannis Vlahavas
(Aristotle University of Thessaloniki, Greece)

12:30-14:00  lunch
14:00-15:30  ODBASE.8: Context - Chair: Guy Pierra (ENSMA)
An Ontology-Based Approach for Managing and Maintaining Privacy in Information Systems
Dhiah el Diehn I. Abou-Tair and Stefan Berlik (Siegen University, Germany)

Ontology-Based User Context Management: The Challenges of Imperfection and Time-Dependence
Andreas Schmidt (FZI Research Center for Information Technologies, Germany)

Moving towards Automatic Generation of Information Demand Contexts: an Approach Based on Enterprise Models and Ontology Slicing
Tatiana Levashova, Magnus Lundqvist, Michael Pashkin (St.Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences and Jönköping University, Sweden)
15:30-16:00 coffee

ROOM.6  CoopIS (day 2/3)

08:00-09:00  Registration
09:00-10:30  GADA Opening, Keynote & coffee
10:30-12:30  CoopIS.4: Distributed Information Systems I
- Chair: Stefanie Rinderle, University of Ulm

Distributed Triggers for Peer Data Management
Verena Kantere (National Technical University of Athens, Greece), Iluju Kiringa (University of Ottawa, Canada), John Mylopoulos (University of Toronto, Canada) and Greg McArthur (University of Toronto, Canada)

Satisfaction-Based Query Load Balancing
Jorge-Arnulfo Quiané-Ruiz (INRIA and LINA, Université de Nantes), Philippe Lamarre (LINA, Université de Nantes), Patrick Valduriez (INRIA and LINA, Université de Nantes)

Efficient Dynamic Operator Placement in a Locally Distributed Continuous Query System
Yongluan Zhou, Beng Chin Ooi, Kian-Lee Tan, Ji Wu (National University of Singapore)

Active Event Notification for Real-time Update Delivery in Federated Information Systems (Poster)
Christopher Popfinger and Stefan Conrad

A Unified Model for Information Integration (Poster)
Ali Kiani, Nematollah Shiri (Concordia University, Canada)

Synthetizing RDF query answers from multiple documents (Poster)
Adrian Tanasescu and Mohand-Said Hacid (Université Claude Bernard Lyon 1, France)

12:30-14:00  lunch
14:00-15:30  CoopIS.5: Distributed Information Systems II
  Chair: Avigdor Gal, Israel Institute of Technology

Views for simplifying access to heterogeneous XML data
Dan Vodislav (CNAM/CEDRIC, France), Sophie Cluet (INRIA, France), Grégory Corona (Xyleme, France), Imen Sebei (CNAM/CEDRIC, France)

SASMINT System for Database Interoperability in Collaborative Networks
Ozgul Unal, Hamideh Afsarmanesh (University of Amsterdam)

Querying E-Catalogs Using Content Summaries
Aixin Sun (University of New South Wales, Australia), Boualem Benatallah(University of New South Wales, Australia), Mahbub Hassan(University of New South Wales, Australia), Mohand-Said Hacid (Université Claude Bernard Lyon 1, France)

15:30-16:00 coffee
16:00-17:30  CoopIS.6: Services Metrics & Pricing - Chair: Zahir Tari (RMIT)

A Link-based Ranking Model for Services
Camelia Constantin (University of Paris 6), Bernd Amann (University of Paris 6), David Gross-Amblard (CEDRIC, CNAM, France)
**Quality makes the information market**
B. van Gils, H.A. (Erik) Proper, P. van Bommel, Th.P. van der Weide (Radboud University, The Netherlands)

**Bid-Based Approach for Pricing Web Service**
Inbal Yahav, Avigdor Gal (Israel Institute of Technology, Israel) and Nathan Larson (University of Maryland, USA)

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**ROOM.3 GADA (day 1/2)**

08:00-09:00 registration
09:00-10:30 GADA Opening, Keynote & coffee
10:30-12:30 GADA.1: **Parallel and Distributed Applications**
Chair: Maria S. Pérez

*A Generic Deployment Framework for Grid Computing and Distributed Applications*
Areski Flissi (LIFL / CNRS), Philippe Merle (INRIA / LIFL)

*CBIR on Grids*
Oscar D. Robles and José Luis Bosque and Luis Pastor and Ángel Rodríguez (Technical University of Madrid, Spain)

*Parallelization of a Discrete Radiosity Method Using Scene Division*
Rita Zrour and Fabien Feschet and Remy Malgouyres (University of Auvergne, France)

*Parallel PageRank Computation using Mixed Model*
Bundit Manaskasemsak (Kasetsart University, Thailand), Putchong Uthayopas (Thai National Grid Center, Thailand), Arnon Rungsawang (Kasetsart University, Thailand)

12:30-14:00 lunch
14:00-15:30 GADA.2: **Scheduling in Grid Environments** - Chair: José Luis Bosque

*A Decentralized Strategy for Genetic Scheduling in Heterogeneous Environments*
George V. Iordache, Marcela S. Boboila, Florin Pop, Corina Stratan, Valentin Cristea (University Politehnica of Bucharest, Romania)

*Solving Scheduling Problems in Grid Resource Management Using an Evolutionary Algorithm*
Karl-Uwe Stucky, Wilfried Jakob, Alexander Quinte, Wolfgang Suess (Forschungszentrum Karlsruhe GmbH, Germany)

*Integrating Trust into Grid Economic Model Scheduling Algorithm*
Chunling Zhu (Huazhong University of Science & Technology, China); Xiaoyong Tang, Kenli Li, Xiao Han2, Xilu Zhu, Xuesheng Qi (Hunan University, China)

15:30-16:00 coffee
16:00-18:00 GADA.3: **Resource Selection & Management; Access Control, and Evaluation**
Chair: Pilar Herrero

*Resource selection and application execution in a Grid: A migration experience from GT2 to GT4*
A. Clematis (IMATI-CNR), A. Corana (IEIIT-CNR), D. D'Agostino (IMATI-CNR and Università Genova), V. Gianuzzi (Università Genova), A. Merlo (IEIIT-CNR and Università Genova)

A Comparative Analysis between EGEE and GridWay Workload Management Systems
J. L. Vazquez-Poletti, E. Huedo, R. S. Montero and I. M. Llorente (Universidad Complutense de Madrid, Spain)

Grid and HPC Dynamic Load Balancing with Lattice Boltzmann Models
Fabio Farina, Gianpiero Cattaneo and Alberto Dennunzio (Università degli Studi di Milano-Bicocca)

Distributed Provision and Management of Security Services in Globus Toolkit 4
Félix J. García Clemente, Gregorio Martínez Pérez, Andrés Muñoz Ortega, Juan A. Botía Blaya and Antonio F. Gómez Skarmeta (University of Murcia, Spain)

18:00-19:00 GADA.4: **Access Control, and Evaluation** - Chair: Eiko Yoneki

*A Fine-grained Access Control System for Globus Based on X.509 Certificates*
Luca Borz, Hristo Koshutanski, Fabio Martinelli, Paolo Mori, Anna Vaccarelli (CREATE-NET and Istituto di Informatica e Telematica, Italy)

*Performance Evaluation of Group Communication Architectures in Large Scale Systems using MPI*
Authors
Kayhan Erciyes, Orhan Dagdeviren (Izmir Institute of Technology, Turkey), Resat Umit Payli (Indiana University-Purdue University)

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**FRIDAY 03 Nov**

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| 09:00-09:30 | Closing by General & PC Chairs |
| 09:30-10:30 | OTM'06 KEYNOTE: |

**Stefano Bertolo (European Comission)**
"From Intelligent Content to Actionable Knowledge: Research directions and opportunities under the EU’s Framework Programme 7, 2007-2013"

**ROOM.6 CoopIS (day 3/3): TRACK 1**

!! (NOTE: there are two parallel tracks for CoopIS this year. For track 2, see next)
08:00-09:00 registration
09:00-10:30 Keynote & coffee

10:30-12:30 CoopIS.7A: **Cooperative IS Applications** - Chair: TBA

*Advanced Recommendation Models for Mobile Tourist Information*
Annika Hinze, Saijai Junmanee (University of Waikato, New Zealand)

*Keeping track of the Semantic Web: Personalised Event Notification*
Annika Hinze and Reuben Evans (University of Waikato, New Zealand)

*Aspect-Oriented Workflow Languages*
Anis Charfi and Mira Mezini (Darmstadt University of Technology, Germany)

12:30-14:00 lunch

14:00-15:30 CoopIS.8A: **Collaborative Systems Design & Development**
Chair: Darijus Strasunskas, Norwegian University of Science & Technology

*Designing Cooperative IS: Exploring and Evaluating Alternatives*
Volha Bryl, Paolo Giorgini (University of Trento, Italy)

*Natural MDA: Controlled Natural Language for Action Specifications on Model Driven Development*
Luciana Nunes Leal, Paulo de Figueiredo Pires, Maria Luiza Machado Campos, Flávia Coimbra
Delicato (Federal University of Rio de Janeiro and Federal University of Rio Grande do Norte, Brazil)

*Managing Distributed Collaboration in a Peer-to-Peer Network*
Michael Higgins, Stuart Roth, Jeff Senn, Peter Lucas, Dominic Widdows (MAYA Design)

15:30-16:00 coffee

16:00-17:30 CoopIS.9A: **Collaborative Systems Development** - Session chair: Zahir Tari (RMIT)

*Developing Collaborative Applications Using Sliverware*
Seth Holloway and Christine Julien (The University of Texas at Austin)

*A framework for building collaboration tools by leveraging industrial components*
Du Li, Yi Yang, James Creel, and Blake Dworaczyk (Texas A&M University)

*Evaluation of a Conceptual Model-based Method for Discovery of Dependency Links*
Darijus Strasunskas and Sari Hakkarainen (Norwegian University of Science and Technology -NTNU, Norway)

**ROOM.6 CoopIS (day 3/3): TRACK 2**

!! (NOTE: there are **two parallel tracks** for CoopIS this year. For track 1, see previous)

08:00-09:00 registration
09:00-10:30 Keynote & coffee

10:30-12:30 CoopIS.7B: **Workflow Management & Discovery**
Chair: Andreas Wombacher, University of Twente

*A Portable Approach to Exception Handling in Workflow Management Systems*
Carlo Combi (Università degli Studi di Verona, Italy), Florian Daniel (Politecnico di Milano, Italy) and Giuseppe Pozzi (Politecnico di Milano, Italy)

Methods for enabling recovery actions in Ws-BPEL
Eugenio Conforti and Stefano Modafferi (Politecnico di Milano, Italy)

BPEL Processes Matchmaking for Service Discovery
Juan Carlos Corrales, Daniela Grigori, Mokrane Bouzeghoub (Universite de Versailles Saint-Quentin en Yvelines, France)

Evaluation of technical measures for workflow similarity based on a pilot study
Andreas Wombacher (University of Twente)

12:30-14:00 lunch
14:00-15:30 CoopIS.8B: Trust and Security in Cooperative IS - Chair: TBA

Establishing a Trust Relationship in Cooperative Information Systems
Julian Jang, Surya Nepal, John Zic (CSIRO ICT Centre)

A Unifying Framework for Behavior-based Trust Models
Christian von der Weth and Klemens Boehm (Universität Karlsruhe, Germany)

A WS-Based Infrastructure for Integrating Intrusion Detection Systems in Large-Scale Environments
José Eduardo M. S. Brandão (Instituto de Pesquisa Econômica Aplicada (IPEA) - Brazil), Joni da Silva Fraga, Paulo Manoel Mafra, Rafael R. Obelheiro (Universidade Federal de Santa Catarina (UFSC) / LCMI, Brazil)

15:30-16:00 coffee
16:00-17:30 CoopIS.9B: Formal Approaches to Services
Chair: Yacine Sam, Université Aix-Marseille 3

Customizable-Resources Description, Selection, and Composition : A Feature Logic Based Approach
Yacine Sam, François-Marie Colonna, Omar Boucelma (Aix-Marseille Universités, France)

Defining and Modelling Service-Based Coordinated Systems
Thi-Huong-Giang Vu, Christine Collet, Genoveva Vargas-Solar (LSR-IMAG Laboratory, France)

Web Service Mining and Verification of Properties: An approach based on Event Calculus
Mohsen Rouached, Walid Gaaloul, Wil M. P. van der Aalst, Sami Bhiri and Claude Godart (NRIA LORIA, UHP University, France)

ROOM.3 GADA (day 2/2)

08:00-09:00 registration
09:00-10:30 Keynote & coffee
10:30-12:30 GADA.5: Grid infrastructures for data analysis & Databases and grids
Chair: Maria S. Pérez

An Instrumentation Infrastructure for Grid Workflow
Bartosz Balis, Hong-Linh Truong, Marian Bubak, Thomas Fahringer, Krzysztof Guzy, Kuba Rozkwitalski (Institute of Computer Science AGH Poland, Academic Computer Centre CYFRONET AGH Poland and University of Innsbruck, Austria)

*A Dynamic Communication Contention Awareness List Scheduling Algorithm for Arbitrary Heterogeneous System*
Xiaoyong Tang, Kenli Li, Degui Xiao, Jing Yang, Min Liu, Yunchuan Qin (Hunan University, China)

*Using Classification Techniques to Improve Replica Selection in Data Grid*
Hai Jin, Jin Huang, Xia Xie, Qin Zhang (Huazhong University of Science and Technology, China)

*Searching Moving Objects in Spatio-Temporal Distributed Database Servers Systems*

Mauricio Marín (Universidad de Magallanes, Chile), Andrea Rodríguez (Universidad de Concepción, Chile), Tonio Fincke (University of Münster, Germany), Carlos Román (Universidad de Concepción, Chile)

12:30-14:00 lunch
14:00-15:30 GADA.6: **P2P systems & Grid file transfer**
Chair: Félix J. García Clemente

*Trust enforcement in P2P Massive Multi-player Online Games*
Adam Wierzbicki (Polish-Japanese Institute of Information Technology, Poland)

*A P2P-Based System to Perform Coordinated Inspections in Nuclear Power Plants*
C. Alcaide, M. Díaz, L. Llopis, A. Márquez, E. Soler (Universidad de Málaga, Spain)

*Grid File Transfer during Deployment, Execution, and Retrieval*
Francoise Baude and Denis Caromel and Mario Leyton and Romain Quilici (INRIA Sophia-Antipolis, CNRS, I3S, UNSA)

15:30-16:00 coffee
16:00-18:30 GADA.7: **Grid file transfer (cont.) & Autonomous and autonomic computing & Programming aspects** - Chair: J. L. Vazquez-Poletti

*A Parallel Data Storage Interface to GridFTP*
Alberto Sanchez, María S. Perez, Pierre Gueant, Jesus Montes and Pilar Herrero (Universidad Politécnica de Madrid, Spain)

*QoS-driven Web Service Selection in Autonomic Grid Environments*
D. Ardagna (Politecnico di Milano, Italy), G. Giunta, N. Ingraffia (Engineering Ingegneria Informatica S.p.A, Italy), R. Mirandola, B. Pernici (Politecnico di Milano, Italy)

*Autonomous Layer for Data Integration in a Virtual Repository*
Kamil Kulibera, Radoslaw Adamus, Jacek Wislicki, Krzysztof Kaczmarski, Tomasz Kowalski, Kazimierz Subieta (Technical University of Lodz, Poland)

*Dynamic Reconfiguration of Scientific Components Using Aspect Oriented Programming: A Case Study*
Manuel Díaz, Sergio Romero, Bartolomé Rubio, Enrique Soler, José M. Troya (University of Málaga, Spain)

MGS: An API for Developing Mobile Grid Services
Sze-Wing Wong, Kam-Wing Ng (The Chinese University of Hong Kong)