

WETICE 2007
Paris, France
June 18-20, 2007



16th IEEE International Workshops on Enabling
Technologies: Infrastructures for Collaborative
Enterprises

PROGRAM GUIDE



CERC
West Virginia University



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Organizers

WETICE General Chair

Samir Tata, GET/INT, France

WETICE Finance Chair

Ramana Reddy, West Virginia University, USA

WETICE Steering Committee

Cornelia Boldyreff, University of Lincoln, UK
Giacomo Cabri, University of Modena and Reggio Emilia, Italy
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Alois Ferscha, Johannes Kepler University, Linz, Austria
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Nikolay Mehandjiev, University of Manchester, UK
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Corrado Santoro, University of Catania, Italy
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Ram D. Sriram, National Inst. of Standards and Technology, USA
Samir Tata, GET/INT, CNRS UMR SAMOVAR, France
Robert Tolksdorf, Freie Universität, Berlin, Germany
Franco Zambonelli, University of Modena and Reggio Emilia, Italy

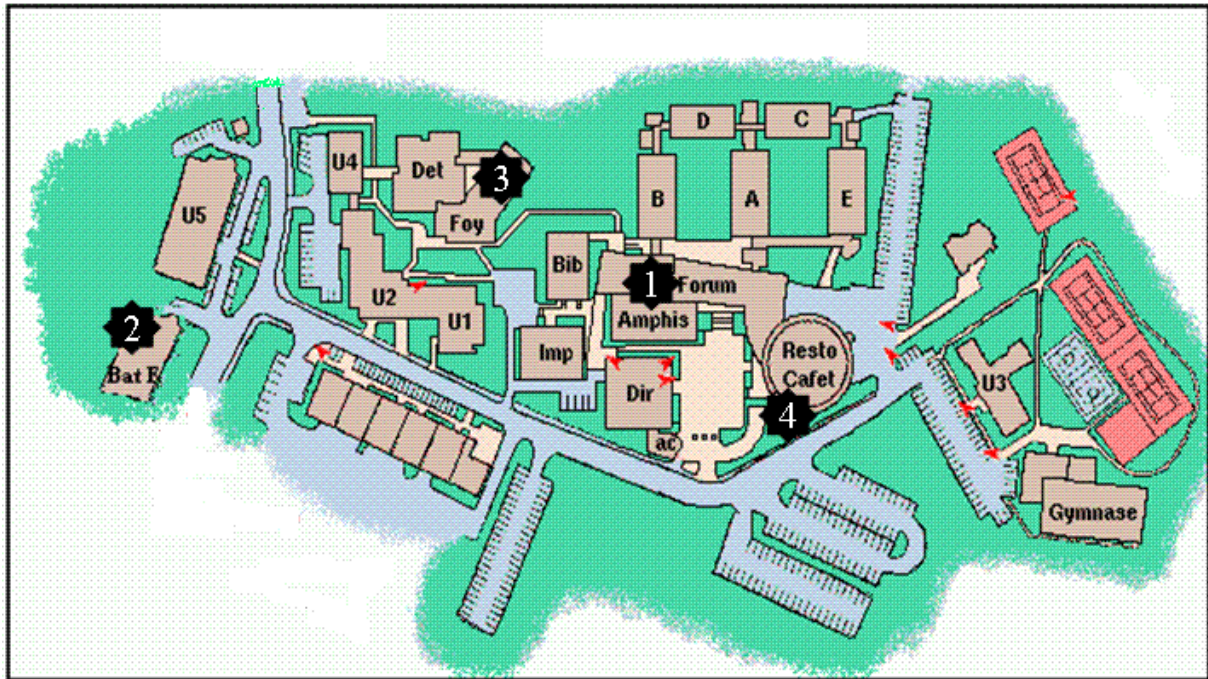
WETICE Organiser

Sumitra Reddy, West Virginia University, USA

WETICE Local Organisers

Djamel Belaid, GET/INT, France
Amel Bouzeghoub, GET/INT, France
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Hamid Mukhtar, GET/INT, France
Nomane Ould Ahmed M'bareck, GET/INT, France
Javier Rojas, GET/INT, France
Jérôme Sicard, GET/INT, France

Local Information



Joint sessions

The joint sessions are held in the Amphitheater 10.

Parallel sessions

Parallel sessions are held in the “Bâtiment F” (2nd floor).

Lunches




Lunches are provided in the “Foyer”.

Welcome Reception

On Monday June 18, we welcome the participants of this year’s WETICE at the “Restaurant Administratif” of INT.

Internet Access

A wireless connection (SSID: wifint) is accessible at:

- Amphitheater 10 (Joint sessions) 
- Forum (near the registration desk) 
- Ground floor of “Bâtiment F” (Parallel sessions) 

Wired connections are available in Room F026. 

Banquet

The WETICE Dinner will be held on June 19, 2007 at the Capitaine Fracasse Restaurant.

Will be offered 2 hours and 15 minutes cruise in Paris from Bir-Hakeim bridge (3 minutes to Eiffel Tower) until Bercy and Back. 2 Buses will be provided for the participants to reach Paris from Evry and return back to Evry after the diner (for the Hotels located in Evry).

Plenary Talk #1

Rainer Ruggaber, SAP Research

Title: Internet of Services -A SAP Research Vision

Abstract

In an "Internet of Services" all people, machines, and goods will have access to it by leveraging the network infrastructure of tomorrow. The Internet will thus offer services for all areas of life and business, such as virtual insurance, online banking and music, and so on. Those services will require a complex services infrastructure including Service delivery platforms bringing together demand and supply. Building blocks for the Internet of Services are SOA, Web2.0 and Semantics on the Technology side as well as novel business models, and approaches to systematic and community based innovation.

The talk will motivate and describe the Vision of the "Internet of Services", its building blocks, relevant early initiatives and open research questions.

About the speaker

Dr. Rainer Ruggaber works as a senior researcher at SAP Research Center Karlsruhe. He holds a PhD from the University of Karlsruhe (Germany). He was the Scientific Coordinator of the ATHENA IP Research Project on Enterprise Interoperability and involved in the overall Project Management. His experiences are in Business Process Management, Service Oriented Architectures and Enterprise Interoperability. He is currently involved in the preparation of a national research activity on service ecosystems and their contribution to realize a service economy. Rainer is involved in the ETP (European Technology Platform) NESSI (Networked European Software and Services Initiative) as a co-lead of the NESSI BPM working group.

Plenary Talk # 2

Franck Cappello, INRIA France

Title: Towards an International “Computer Science Grid”

Abstract

The Computer Science discipline, especially in large scale distributed systems like Grids and P2P systems and in high performance computing areas, tends to address issues related to increasingly complex systems, gathering thousands to millions of non trivial components. Theoretical analysis, simulation and even emulation are reaching their limits. Like in other scientific disciplines such as physics, chemistry and life sciences, there is a need to develop, run and maintain generations of scientific instruments for the observation of complex distributed systems running at real scale and under reproducible experimental conditions. Grid'5000 and DAS3 are two large scale systems designed as scientific instruments for researchers in the domains of Grid, P2P and networking. More than testbeds, Grid'5000 and DAS3 have been designed as "Computer Science Grids", where researchers share experimental resources spanning over large geographical distances, are able to reserve resources, configure them, run their experiments, realize precise measurements and replay the same experiments with the same experimental conditions. Computer scientists use these two platforms to address issues in the different software layers between the hardware and the users: networking protocols, OS, middleware, parallel application runtimes, applications. In this talk, we will present two Computer Science Grids: Grid'5000 and DAS3. We will describe the motivations, design and current status of these two systems. We will also present some of their key results, not only in terms of scientific results in computer science, but also the impact of these two systems as research tools. The success of Grid'5000 and DAS platforms is the basis of an international initiative, having the objective to deploy a European level "Computer Science Grid".

About the speaker

Franck Cappello holds a Senior Researcher position at INRIA. He leads the Grand-Large project at INRIA, focusing on High Performance issues in Large Scale Distributed Systems. He has initiated the XtremWeb (Desktop Grid) and MPICH-V (Fault tolerant MPI) projects. He is currently the director of the Grid5000 project, a nation wide computer science platform for research in Grid and P2P. He has authored more than 60 papers in the domains of High Performance Programming, Desktop Grids, Grids and Fault tolerant MPI. He has contributed to more than 30 Program Committees. He is editorial board member of the international Journal on Grid Computing, Journal of Grid and Utility Computing and Journal of Cluster Computing. He is a steering committee member of IEEE HPDC and IEEE/ACM CCGRID. He is the General co-Chair of GPC'2007, Program co-Chair of EuroPVMMPI'2007 and HotP2P'2007 and was the General Chair of IEEE HPDC'2006.

Plenary Talk # 3

Fabio Casati

Title: Business process mashups? Process management and the Web growing together

Abstract

About the speaker

Fabio got his PhD from Politecnico di Milano in 1999. After that, he joined HP Labs, Palo Alto (1999-2006) where he has done research on workflows, web services, data warehousing, and business process intelligence.

Since 2006 he is professor at the University of Trento where he is doing research in business activity monitoring/analysis with particular focus on e-government, as well as working in process space management systems and in innovative publication and review models.

He is member of the editorial board of ACM TWEB and has acted as program chair, industrial chair, or in other officer positions in many conferences including ICDE, ICSOC, BPM, ICWE, and CEC/EEE.

WETICE-2007-General Agenda

Monday June 18, 2007

- 8:00 *On site Registration, Pick up badges, Coffee*
- 9:00-9:30 *Joint session (Amphitheater 10)*
Opening of WETICE 2007
Welcome by Gen.Chair Dr. Samir Tata
Introduction of all workshop chairs and organizer
Presentation on scientific research at INT by the Research Deputy Director of INT
- 9:30-10:30 *Joint session (Amphitheater 10)*
Plenary Talk #1: Rainer Ruggabe
Title: Internet of Services -A SAP Research Vision
- 10:30-11:00 *Coffee break*
- 11:00-12:30 *Joint session (Amphitheater 10)*
Plenary Talk #2: Franck Cappello
Title: Towards an International "Computer Science Grid"
- 12:30-1:30 *Lunch*
- 1:30-3:30 *Parallel sessions*
CoMA (Room F202),
COPS (Room F216),
ETNGRID (Room F214),
ISWS (Room F204),
ST-TICE (Room F201).
Other workshop participants are encouraged to attend any sessions of their choice
- 3:30-4:00 *Coffee break*
- 4:00-6:30 *Parallel sessions*
CoMA (Room F202),
COPS (Room F216),
ETNGRID (Room F214),
ISWS (Room F204),
ST-TICE (Room F201).
Other workshop participants are encouraged to attend any sessions of their choice
- 6:30 *WETICE-2007 Reception*

Tuesday June 19, 2007

- 8:00 *On site Registration, Pick up badges, Coffee*
- 9:00-10:30 *Parallel sessions*
ACEC (Room F204),
COPS (Room F216),
DMC (Room F201),
ETNGRID (Room F214),
ProGility (Room F212).
Other workshop participants are encouraged to attend any sessions of their choice
- 10:30-11:00 *Coffee break*
- 11:00-12:30 *Parallel sessions*
ACEC (Room F204),
COPS (Room F216),
DMC (Room F201),
ETNGRID (Room F214),
ProGility (Room F212).
Other workshop participants are encouraged to attend any sessions of their choice
- 12:30-1:30 *Lunch*
- 1:30-3:30 *Parallel sessions*
ACEC (Room F204),
CoMA (Room F202),
DMC (Room F201),
ETNGRID (Room F214),
ProGility (Room F212).
Other workshop participants are encouraged to attend any sessions of their choice
- 3:30-4:00 *Coffee break*
- 4:00-5:15 *Parallel sessions*
ACEC (Room F204),
CoMA (Room F202),
DMC (Room F201),
ETNGRID (Room F214),
ProGility (Room F212),
Other workshop participants are encouraged to attend any sessions of their choice
- 5:30-7:15 *Visit of the cathedral of the Resurrection of Evry*
- 8:30-11:30 *Banquet WETICE-2007*

Wednesday June 20, 2007

- 8:00 *On site Registration, Pick up badges, Coffee*
- 9:00-10:30 *Joint session (Amphitheater 10)*
ETNGRID continues.
Other workshop participants are encouraged to attend it.
- 10:30-11:00 *Coffee break*
- 11:00-12:00 *Joint session (Amphitheater 10)*
Plenary Talk #3: Fabio Casati
Title: Business process mashups?
 Process management and the Web growing together
- 12:00-1:00 *Joint session (Amphitheater 10)*
Discussion on future WETICE: research areas
- 1:00-2:00 *Lunch*
- 2:00-2:15 *Joint session (Amphitheater 10)*
Announcement and presentation of WETICE-2008 at Rome by Profs. Michele Angelaccio and Andrea D'Ambrogio
- 2:15-4:45 *Joint session (Amphitheater 10)*
Final report by each workshop chair and best paper summary presentation by authors
Closing of WETICE-2007.

ACEC Workshop

International Workshop on Agent-based Computing for Enterprise Collaboration Agent-Oriented Workflows and Services

Tuesday, 19 June 2007 (Room F204).

9:00-10:30 *Session I*

Middle-Agents Interactions As Finite State Processes: Overview and Example
Amelia Badica, Costin Badica, Valentin Litoiu

Intelligent Agent Communication and Collaboration for Web Services Management
(FULL)

Michael F. Nowlan, M. Brian Blake

Service-Oriented Agent Methodologies

Giacomo Cabri, Letizia Leonardi, Mariachiara Puviani

10:30-11:00 *Coffee break*

11:00-12:30 *Session II*

Collaborative Trust in Multi-Agent System

M. R. Mokhtar, U. Wajid, W. Wang

Practical Approach to Secure and Trusted Negotiation in MASs

Federico Bergenti

On the Modeling of Agent-based Adaptive Information Systems: An Integration of
Operational Roles and Performance Indicators

Nora Houari, Behrouz H. Far

12:30-1:30 *Lunch*

1:30-3:30 *Session III*

First-Class Protocols for Agent-Based Coordination of Scientific Instruments

Tim Miller, Peter McBurney, Jarred McGinnis, Kostas Stathis

Interaction Context Based Flexible Agent Interactions (Short paper)

Usman Wajid, Nikolay Mehandjiev

Discussion and ACEC conclusions

3:30-4:30 *Coffee break*

CoMA Workshop

International Workshop on Interdisciplinary Aspects of Coordination Applied to Pervasive Environments: Models and Applications

Monday, 18 June 2007 (Room F202).

1:30-2:00 *CoMA Introduction*

2:00-3:30 *Session I*

Coordination in the Sensor's Continuum

Nicola Biccocchi, Gabriella Castelli, Alberto Rosi, Franco Zambonelli

A Bayesian Approach for Disconnection Management

Massimiliano de Leoni, Massimo Mecella, Ruggero Russo

XVSMP/Bayeux: A Protocol for Scalable Space Based Computing in the Web

Eva Kühn, Johannes Riemer, Lukas Lechner)

3:30-4:00 *Coffee Break*

4:00-6:30 *Session I*

Coordinating Knowledge in Pervasive Environments

Lyndon Nixon, Robert Tolksdorf, Alan Wood, Ronaldo Menezes

Enabling Collaborative eHealth Through Triplespace Computing

Lyndon Nixon, Elena Simperl, Dario Cerizza, Emanuele Della Valle, Reto Krummenacher

Laws for Mediating Agents' Activities in Situated Multiagent Systems

Danny Weyns, Tom Holvoet

Building Smart Environments as Agent Workspaces

Andrea Omicini, Alessandro Ricci, Giuseppe Vizzari

6:30 *WETICE Reception*

Tuesday, 19 June 2007 (Room F202).

1:30-2:00 *Session III*

WSDir: a Federated Directory System of Semantic Web Services

Michael Schumacher, Tim van Pelt, Ion Constantinescu, Alexandre de Oliveira e Sousa, Boi Faltings

Analyzing and Modelling Office Activities (short paper)

Michele Bezzi, Robin Groenevelt, Frederick Schlereth

SCOMET: Adapting collaborative working environments to the MANET scenario (short paper)

Marcel Arrufat, Gerard París, Pedro García López, Antonio F. Gómez Skarmeta

Intro to posters and demos

3:15-4:00 Coffee Break (including poster session and informal discussions)

4:00-5:15 CoMA Closing: workshop discussion and report, further activities

COPS Workshop

International Workshop on Collaborative Service-Oriented P2P Information Systems Monday, 18 June 2007 (Room F216).

- 2:00 *COPS Opening*
- 2:30 *Invited Talk: The roots and the rationale behind the ALM based collaboration*
Dewan Tanvir Ahmed,
Distributed Collaborative Virtual Environments Research Laboratory
School of Information Technology and Engineering, University of Ottawa, Canada
- 3.30 *Coffee Break*
- 4:00-5:00 *Session I: P2P overlays*
- A Dominating Set Based Peer-to-Peer Protocol for Real-time Multi-source
Collaboration
Dewan Tanvir Ahmed, Shervin Shirmohammadi and Abdulmotaleb El Saddik
- Adaptive routing in structured peer-to-peer overlays
Spyros Kotoulas and Ronny Siebes
- 5:00-6:00 *Session II: P2P Infrastructures*
- The WORKPAD P2P Service-Oriented Infrastructure for Emergency Management
Tiziana Catarci, Massimiliano de Leoni, Fabio De Rosa, Massimo Mecella, Antonella
Poggi, Schahram Dustdar, Lukasz Juszczyk, Hong Linh Truong and Guido Vetere
- Peer-to-Peer Infrastructure for Multi-Knowledge Workflows
Michele Amoretti, Francesco Zanichelli, Diego Ardigò, George Antikatzidis, Sergio
Copelli, Fabio Sorace Maresca and Franco Mercalli
- RetroMob: a Collaborative Framework Based on Perceptive Activity (Short)
Olivier Eymard, Eric Sanchis and Jean-Louis Selves
- 6.30 *WETICE reception*

Tuesday, 19 June 2007 (Room F216).

- 9:30 *Invited Talk: Peer-to-Peer Technology: Where is it heading ?*
Mads Nygaard, Computer and Information Science Department
Norwegian University of Science and Technology, Trondheim, Norway
- 10:30 *Coffee Break*
- 11:00-12:30 *Session III: P2P SOA-based Systems*
- A Service-Oriented Approach for Building Autonomic Peer-to-Peer Robot Systems
Michele Amoretti, Francesco Zanichelli and Gianni Conte
- The p2pWeb model: a glue for the Web
Pedro Garcia Lopez, Marc Sanchez Artigas and Jordi Pujol Ahullo
- QShare: QoS-enabled Description And Discovery of Services in SOA-based P2P
Applications
Paolo Bocciarelli, Andrea D' Ambrogio and Michele Angelaccio
- 12.30 *Lunch*

DMC Workshop

International Workshop on Distributed and Mobile Collaboration

Tuesday, 19 June 2007 (Room F201).

- 9:00-9:15 *Welcome and introduction*
- 9:15-10:30 *Session I*
- An Architectural Approach to Apply the Supervisor/Worker Collaboration Pattern to Nomadic Workspaces (Full)
 Manfred Bortenschlager, Gabriele Kotsis, Sigi Reich
- A software architecture for simple and reliable computing environments for collaborative work (short)
 Patrizio Pelliccione, Hoa Dung Ha Duong, Christian Melchiorre, Eike Michael Meyer, Ignacio Nieto, Gerard Paris, Frederique Tastet-Cherel
- Collaborative Software Engineering Using Model-Driven Approach (short)
 Vitaly Semenov
- 10:30-11:00 *Coffee Break*
- 11:00-12:30 *Session II*
- Context-Aware, Collaborative Applications for Inter-Networked Cars
 Wolfgang Woerndl, Robert Eigner (Full)
- Virtual Storage Services for Dynamic Collaborations (Full)
 Shiping Chen, Surya Nepal, Jonathan Chan, David Moreland, John Zic
- A middleware for mobile spontaneous short-range ad-hoc networks (Short)
 Antonio Palmeira Filho, Francisco José da Silva
- 12.30 *Lunch*
- 1:30-3:00 *Session III*
- A View-based Analysis of Distributed and Mobile Teams (Full)
 Christoph Dorn, Daniel Schall, Robert Gombotz, Schahram Dustdar
- An Extensible Co-Browsing Environment with Conference Support (short)
 Christopher Viana Lima, Roberto Willrich, Roberta Lima Gomes, Guillermo de Jesús Hoyos Rivera, Jean-Pierre Courtiat
- An ontological approach for developing domain-independent groupware (short)
 Jesús Gallardo Casero, Miguel Ángel Redondo Duque
- Mobile Information System, Health Work and Community Health Workers in Less Developed Countries (short)
 Adesina Iluyemi, Jim Briggs, Carl Adams
- 3:00-3:30 *Final discussion and closing*

ETNGRID Workshop

International Workshop on Emerging Technologies for Next-generation GRID

Monday, 18 June 2007 (Room F214).

- 1:30-3:30 *Session I: Grid Architectures, Middlewares and Applications*
- SuMMIT -An Architecture for Mobile Devices to Coordinate the Execution of Applications in Grid Environments
A.G.M. Rossetto, V.C.M. Borges and M.A.R. Dantas
- AutoGrid: Towards an Autonomic Grid Middleware
Marcio Augusto Sekeff Sallem, Stanley Araujo de Sousa, Francisco Jos da Silva e Silva
- Model Driven Development of Ontology-based Grid Services
Luca Abeti, Paolo Ciancarini, Rocco Moretti
- Improving the Performance of Fault-Aware Scheduling Policies for Desktop Grids (Be Lazy, Be Cool)
Cosimo Anglano, Massimo Canonico
- 3:30 *Coffee Break*
- 4:00 *Session I continues*
- A grid implementation of a Cellular Neural network simulator
Daniela Giordano, Francesco Maiorana
- Chajara: a XML-based topology Description for Cluster-Of-Clusters
Ouissem Ben Fredj, Éric Renault
- Ting a Fresh Perspective on Middleware for Resource Sharing
Arnie Miles, Charlie Leonhardt, Chad La Joie, Jess Cannata
- A Nash-Equilibrium based Algorithm for Scheduling Jobs on a Grid Cluster
Massimo Spata
- 6:00 *WETICE Reception*

Tuesday, 19 June 2007 (Room F214).

- 9:00-10:30 *Session II: Grid Data Management*
- Distributed Technologies for Remote Access of HDF Data
Svetlana G. Shasharina, Chuang Li, Nanbor Wang, Roopa Pundaleeka, David Wade-Stein
- GRelC DAS: a Grid-DB Access Service for gLite Based Production Grids
S. Fiore, M. Cafaro, A. Negro, S. Vadacca and G. Aloisio, R. Barbera, E. Giorgio
- Enhancing Grid Usage through Semantic Metadata
Alexandre Cesar Tavares Vidal, Sergio Takeo Kofuji
- 10:30 *Coffee Break*

- 11:00 *Session III: The COMETA PI2S2 Project*
- Short Presentation of PI2S2
- A Digital Library Management System for the Grid
A. Calanducci, C. Cherubino, L. N. Ciuffo, D. Scardaci
- Accounting of Storage Resources in gLite Based Infrastructures
Fabio Scibilia
- 12:30 *Lunch*
- 2:00-3:30 *Session III continues*
- The GENIUS Grid Portal: its architecture, improvements of features, and new
implementations about authentication and authorization
R. Barbera, A. Falzone, V. Ardizzone, D. Scardaci
- Handling Replica Management Concerns by means of Aspects
Rosario Giunta, Giuseppe Pappalardo, Emiliano Tramontana
- Evaluating Strategies for Resource Finding in a Peer-to-peer Grid
Antonella Di Stefano, Fabrizio Messina, Giuseppe Pappalardo, Corrado Santoro, Luigi
Toscano
- 3:30 *Coffee Break*
- 4:00 *Session III continues*
- GSAF -Grid Storage Access Framework
Salvatore Scifo
- Managing confidential data in the gLite middleware
Diego Scardaci, Giordano Scuderi
- Grid2Win: porting gLite to Windows based platforms
Dario Russo, Fabio Scibilia
- 5:30 *Visit of the cathedral of the Resurrection of Evry*
- 8:30 *Banquet WETICE-2007*

Wednesday, 20 June 2007 (Amphitheater 10).

- 9:00-10:30 *ETNGRID Session IV: Resource Finding and QoS*
- On Resource Clustering Techniques for Grid Resource Discovery
Ilias K. Savvas, George Kakarontzas
- The Agreement Utopia
Marco Fargetta, Vincenzo Nicosia
- An Agents-based solution to share information for a P2P discovery protocol in a Grid
environment
Antonella Di Stefano, Giovanni Morana, Daniele Zito
- A Multi-agent System for Resource Discovery in Grid Networks
Maroje Puh, Gordan Jezic, Mario Kusek
- 10.30 *Coffee Break*

ISWS Workshop

**International Workshop on Information Systems & Web Services
Monday, 18 June 2007 (Room F204).**

1:30-3:30 *Session I*

Reconciling Web service failing interactions. Towards an approach based on automatic generation of mediators
Ali Ait-Bachir and Marie-Christine Fauvet

How to Handle QoS Aspects in Web Services Substitutivity Verification
Pierre-Cyrille Heam, Olga Kouchnarenko and Jérôme Voinot

A QoS-driven reconfiguration management system extending Web services with self-healing properties
Riadh Ben Halima, Khalil Drira and Mohamed Jmaiel

Discussion

3:30-4:00 *Coffee break*

3:30-6:30 *Session II*

Using Activity-centered Semantics in Service-oriented Processes
Alexandra Galatescu, Cristian Neicu and Taisia Greceanu

Context Adaptation of Web Services Orchestrations
Frederick Seyler, Chantal Taconet and Guy Bernard

Towards An Approach For Enhancing Web Services Discovery
Nomane Ould Ahmed M'bareck, Samir Tata and Zakaria Maamar

Discussion

6:30 *WETICE Reception*

ProGility Workshop

International Workshop on Agile Cooperative Process-Aware Information Systems

Tuesday, 19 June 2007 (Room F212)

9:00-10:30 *Session I*

Introduction by Workshop Chairs
Barbara Weber, Manfred Reichert, Rik Eshuis

Towards Configurable Process Visualizations with Proviado
Ralph Bobrik, Thomas Bauer

Structural adaptation of workflows supported by a suspension mechanism and by case-based reasoning
Mirjam Minor, Daniel Schmalen, Andreas Koldehoff, Ralph Bergmann

10:30-11:00 *Coffee Break*

10:00-12:30 *Session II*

Data-driven Design of Engineering Processes with COREPRO Modeler
Dominic Müller, Manfred Reichert, Joachim Herbst, Florian Poppa

Activity Coordination for Flexible Processes Linking Instant Virtual Enterprises
Nikolay Mehandjiev, Iain Stalker, Martin Carpenter

Processes versus Services: Dual view to Facilitate Transactional QoS for Dynamic Business Networks
Jochem Vonk, Ting Wang, Paul Grefen

12:30-1:30 *Lunch*

1:00-3:30 *Session III*

Towards tool support for integrated modeling of private and public business processes
Jörg Ziemann, Dirk Werth, Thomas Matheis, Timo Kahl

Change Patterns in Process-Aware Information Systems
Barbara Weber, Manfred Reichert

3:30-4:00 *Coffee Break*

4:00-5:15 Wrap up & Discussion

TICE Workshop

International Workshop on Tangible Interaction in Collaborative Environments

Monday, 18 June 2007 (Room F201).

1:00-3:30 *TICE Presentation Session*

TICE 2007 Intro

Tabletop Collaboration Through Tangible Interaction

Sriram Subramanian, Jan Korst, Philips, Vincent Buil, David Pinelle,

A Tuple-Space based Middleware for Collaborative Tangible User Interfaces

Florian Georg Furtmüller, Stefan Oppl

A Dual-Driver System of Networked Fire Truck Simulator with Rotating Motion

Platform and Force Display

Tatsuya Nagai, Michael Cohen, Yoko Murakami, Yoshinori Moriguchi

3:30-4:00 *Coffee Break*

4:00-5:30 Closing session