

CoreGRID Workshop on

Grid Programming Model
Grid and P2P Systems Architecture
Grid Systems, Tools and Environments

Institute of Computer Science
Foundation for Research and Technology - Hellas
Heraklion - Crete, Greece

June 12-13, 2007

Workshop Program

Tuesday 12 June, 2007-- Morning

FORTH's Auditorium (ground floor)

09:00	<u>The "COREGRID" shuttle bus departs from Astoria Capsis Hotel to FORTH</u>	
09:30–09:45	Registration	
09:45–10:00	Welcome Talk Evangelos Markatos – Head of the Distributed Computing Systems Laboratory, FORTH-ICS	
10:00–11:00	Session I Chair: Paraskevi Fragopoulou	
10:00–10:10	The CoreGRID NoE Thierry Priol – CoreGRID Scientific Coordinator, INRIA	
10:10–11:00	Invited Talk: Programming Gateways to the Teragrid Dennis Gannon, Indiana University	
11:00–11:20	Coffee break	
11:20–13:00	Session II Chair: Thierry Priol	
11:20–12:10	Invited Talk: Re-evaluating the Grid David De Roure, University of Southampton	
12:10–13:00	Invited Talk: Peer-to-peer Approaches to Grid Resource Discovery Ann Chervenak, University of Southern California	
13:00–14:00	Lunch	

Tuesday 12 June, 2007 -- Afternoon

Sessions *A: Mediterranean Studies room (first floor)

Sessions *B: Stelios Orphanoudakis Room (first floor)

14:00-15:40	Session 3A: Grid Component Model Chair: Marco Danelutto	Session 3B: Fault tolerance and Dependability I Chair: Artur Andrzejak
14:00-14:25	A Flexible Model and Implementation of Component Controllers Francoise Baude, Denis Caromel, Ludovic Henrio, <i>Paul Naoumenko</i>	FAILRANK: Towards a Unified Grid Failure Monitoring and Ranking System <i>D. Zeinalipour-Yazti</i> , K. Neocleous, C. Georgiou, M. D. Dikaiakos
14:25-14:50	Behavioural Skeletons for Component Autonomic Management on Grids <i>Marco Aldinucci</i> , Sonia Campa, Marco Danelutto, Patrizio Dazzi, Domenico Laforenza, Nicola Tonello, Peter Kilpatrick	Result Error Detection on Heterogeneous and Volatile Resources via Intermediate Checkpointing <i>Derrick Kondo</i> , Filipe Araujo, Patricio Domingues, Luis Moura Silva
14:50-15:15	Analysis of Component Model Extensions to support the Gricol Language <i>Hinde Lilia Bouziane</i> , Natalia Curre-Linde, Christian Perez, Michael Resch	A Distributed and Replicated Service for Checkpoint Storage <i>Fatima Bouabache</i> , Thomas Herault, Gilles Fedak, Franck Cappello
15:15-15:40	Towards GCM Re-configuration – Extending Specification by Norms <i>Alessandro Basso</i> , Alexander Bolotov	A Fault-Injector Tool to Evaluate Failure Detectors in Grid-services <i>Nuno Rodrigues</i> , Decio Sousa, Luis Silva, Artur Andrzejak
15:40-16:00	Coffee break	
16:00-17:15	Session 4A: Adaptability I Chair: Nicola Tonello	Session 4B: Grid Systems and Environments Chair: Vladimir Getov
16:00-16:25	Robust and Adaptive Modeling of Software Aging <i>Artur Andrzejak</i> , Luis Silva	Performance Monitoring of Grid Superscalar with OCM-G/G-PM: Tuning and Improvements Rosa M. Badia, Raul Sirvent, Marian Bubak, <i>Wlodzimierz Funika</i> , Piotr Machner
16:25-16:50	Resources Configurations for Providing Quality of Service in Grid Computing Panagiotis C. Kokkikos, <i>Emmanouel A. Varvarigos</i>	A Software Component for Efficient Genome Processing on the Grid Philipp Ludeking, <i>Jan Dunnweber</i> , Sergei Gorlatch
16:50-17:15	The Role of Overlay Services in a Self-Managing Framework for Dynamic Virtual Organizations Per Brand, Joel Hoglund, <i>Kostantin Popov</i> , Noel de Palma, Fabienne Boyer, Nikos Parlvanzas, Vladimir Vlassov, Ahmad Al-Shishtawy	Performance Aspects of the Atlas VO Using LMBENCH Suite <i>Fotis Georgatos</i> , John Kouvakis, John Kouretis
17:15	<u>The “COREGRID” shuttle bus departs from FORTH to Astoria Capsis Hotel</u>	
19:30	<u>The “COREGRID” shuttle bus departs from Astoria Capsis Hotel to the restaurant</u>	
20:00-23:00	Workshop dinner Restaurant “ <i>THEA</i> ” (meaning view) – “ <i>ΘΕΑ</i> ” The restaurant is located close to the village of Rogdia a few kilometers from Heraklion	

Wednesday 13 June, 2007 -- Morning

Sessions *A: Mediterranean Studies room (first floor)

Sessions *B: Stelios Orphanoudakis Room (first floor)

09:00	<u>The "COREGRID" shuttle bus departs from Astoria Capsis Hotel to FORTH</u>	
9:45–11:00	Session 5.A: Component-oriented Tools and Environments Chair: Marco Danelutto	Session 5.B: Fault tolerance and Dependability II Chair: Demetris Zeinalipour-Yazti
9:45-10:10	Towards A High-Level Scripting Approach for Building Component-Based Gridspace Applications Maciej Malawski, <i>Tomasz Gubala</i> , Marek Kasztelnik, <i>Tomasz Bartynski</i> , Marian Bubak	Grid Superscalar and Job Mapping on the Reliable Grid Resources <i>Ani Anciaux-Sedrakian</i> , Rosa M. Badia, Raul Sirvent, Josep M. Perez, Thilo Kielmann, Andre Merzky
10:10-10:35	Component-Oriented Development Environment for Grid: Design and Implementation <i>Artie Basukoski</i> , Vladimir Getov, Jeyarajan Thiyaalingam	Carrying the Crash-only Software Concept to the Legacy Application Servers <i>Javier Alonso</i> , Jordi Torres, Luis Silva
10:35-11:00	A Component-based Integrated Toolkit <i>Enric Tejedor</i> , Rosa M. Badia, Thilo Kielmann, Vladimir Getov	Bounded Site Failures: An Approach to Unreliable Grid Environments <i>Joaquim Gabarro</i> , Alina Garcia, Maurice Clint, Peter Kilpatrick, Alan Stewart
11:00–11:20	Coffee break	
11:20–13:00	Session 6.A: Adaptability II Chair: Marco Aldinucci	Session 6.B: Desktop Grids Chair: Paraskevi Fragopoulou
11:20-11:45	Online Block Size Adaptation for Enhanced Transmission of Large Data Volumes in OGSA-DAI <i>Anastasios Gounaris</i> , Christos Yfoulis, Rizos Sakellariou, Marios D. Dikaiakos	Peer-to-Peer Techniques for Data Distribution in Desktop Grid Computing Platforms <i>Fernando Costa</i> , Luis Silva, Ian Kelly, Ian Taylor
11:45-12:10	Dynamic Service Aggregation in Heterogeneous Grids <i>Stavros Isaiadis</i> , Vladimir Getov	Simple Unified API for Desktop Grid Systems <i>Gabor Gombas</i> , Zoltan Balaton
12:10-12:35	DKS: Distributed K-ary System A Middleware for Building Large-scale Dynamic Distributed Applications <i>Roberto Roverso</i> , Cosmin Arad, Ali Ghodsi, Seif Haridi	Sztaki Desktop Grid: Building a Scalable, Secure Platform for Desktop Grid Computing <i>Attila Csaba Marosi</i> , Gabor Gombas, Zoltan Balaton, Peter Kacsuk, Tamas Kiss
12:35-13:00	GODS: Global Observatory for Distributed Systems <i>Cosmin Arad</i> , Ozair Kafray, Ali Ghodsi, Seif Haridi	Tackling the Collusion Threat in P2P-Enhanced Internet Desktop Grids <i>Gheorghe Cosmin Silaghi</i> , Louis M. Silva, Patricio Domingues, Alvaro E. Arenas
13:00–14:00	Lunch	

Wednesday 13 June, 2007 -- Afternoon

Sessions *A: Mediterranean Studies room (first floor)

Sessions *B: Stelios Orphanoudakis Room (first floor)

14:00-15:40	Session 7.A: Scheduling and workflows Chair: Rizos Sakellariou	Session 7.B: Peer-to-Peer Techniques Chair: Paraskevi Fragopoulou
14:00-14:25	A Lightweight Workflow Management for Service-centric Grids <i>Lazar Kirchev, Vasil Georgiev, Kiril Boyanov</i>	Publishing, Discovering and Updating Semantic Grid Resources Using DHTs <i>Zoi Kaoudi, Manolis Koubarakis, Kostis Kyzirakos, Matoula Magiridou, Iris Miliaraki, Antonios Papadakis-Pesaresi</i>
14:25-14:50	Utilising Different Data Sources in Computational Grid Workflows <i>Tamas Kiss, Alexandru Tudose, Gabor Terstyanszky, Peter Kacsuk, Gergely Sipos</i>	Towards a P2P Discovery Framework for an Argumentative Agent Technology Assisted Grid <i>Leonidas Lymberopoulos, Stefano Bromuri, Kostas Stathis, Stella Kafetzoglou, Mary Grammatikou, Symeon Papavassiliou</i>
14:50-15:15	Backfilling Strategies for Scheduling Streams of Jobs on Computational Farms <i>A.D. Techiouba, G. Capannini, Ranieri Baraglia, D. Puppini, Marco Pasquali, Laura Ricci</i>	Benchmarking DHT Overlay Topologies: Theory vs. Experience <i>Asim Ali, Sebastien Tixeuil</i>
15:15-15:40	Workflow on top of a Macro Data Flow Interpreter Exploiting Aspects <i>Marco Danelutto, Patricio Dazzi</i>	Design and Implementation of a Hybrid Peer-to-Peer based Grid Resource Discovery System <i>Harris Papadakis, Paolo Trunfio, Domenico Talia, Paraskevi Fragopoulou</i>
15:40-16:00	Coffee break	
16:00-17:15	Session 8.A: Applications Chair: Peter Kilpatrick	Session 8.B: Grid Systems and Environments Chair: Artie Basukoski
16:00-16:25	Distributed WIKIS on Structured Overlays <i>Stefan Plantikow, Alexander Reinefeld, Florian Schintke</i>	Improving the Peer-to-peer Ring for Building Fault-tolerant Grids <i>Boris Mejias, Donatien Grolaux, Peter Van Roy</i>
16:25-16:50	Running Parameter Study Applications on Desktop Grids using P-GRADE Portal <i>Zoltan Farkas, Peter Kacsuk</i>	Grid-Enabling A Problem Solving Environment: Implementation and Everyday Use <i>Konstantinos Georgiou, Giorgios Kollias, Efstratios Gallopoulos</i>
16:50-17:15	A Scalable Multi-Agent Infrastructure for Remote Failure Detection in Web-applications <i>Decio Sousa, Nuno Rodrigues, Luis Silva, Artur Andrzejak</i>	Loop Parallelization for a Grid Master-Worker Framework <i>Eduardo Argollo, Michael Classen, Philipp Classen, Martin Griebel</i>
17:15	<u>The "COREGRID" shuttle bus departs from FORTH to Astoria Capsis Hotel</u>	