



2nd Workshop on Software Services: Cloud Computing and Applications based on Software Services

<http://sprers.eu/events/2nd-woss>

Timisoara, June 6-9, 2011

Programme

Monday, June 6th

08:45-09:00 *Opening*

09:00-11:20 **Session 1: Invited talks on automation and storage in Clouds** (chair: José Luis Vázquez-Poletti)

- Paolo Romano - INESC-ID Lisbon, Portugal (**Cloud-TM**). Autonomic mechanisms for transactional replication in elastic cloud environments
- Hillel Kolodner - Haifa Research Lab, Israel (**VISION Cloud**). Data-intensive Storage Services on Clouds: Limitations, Challenges and Enablers

11:20-11:40 Coffee break

11:40-13:00 **Session 2: Cloud technologies** (chair: Alysson Bessani)

Regular papers:

- Viet Tran (Institute of Informatics, Slovakia) et al. Abstraction layer for cloud computing
- José Enrique Armendáriz Iñigo (Universidad Publica de Navarra, Spain) et al. Cloud-based Replication Protocol on Power Smart Grids

Position papers:

- Hillel Kolodner (Haifa Research Lab, Israel) et al. Secure Access Mechanism for Cloud Storage
- Kanchanna Ramasamy Balraj (Ingegneria Informatica Spa, Italy) et al. A simple delegation approach using RESTful Web Services in Storage Cloud

13:00-14:00 Lunch break

14:00-16:20 **Session 3: Invited talks on Cloud security and open-source distribution** (chair: Paolo Romano)

- Charles Loomis - LAL CNRS, France (**StratusLab**). The StratusLab Cloud Distribution
- Alysson Bessani - University of Lisbon, Portugal (**TClouds**). The TClouds Integrated Project – Privacy and Resilience for Internet-scale Critical Infrastructures

16:20-16:40 Coffee break

16:40-17:05 **Session 4: Cloud providers' solutions - part I** (moderator: Viorel Negru)

- Florin Manaila - IBM Romania, Cloud Storage with IBM SONAS

17:05-18:30 **Session 5: Brainstorming for FP7-ICT Call 8 - Objective 1.2** (moderator: Dana Petcu)

- Presentation of the Call 8: Objective 1.2
- Project ideas

19:00-20:00 Welcome party

Tuesday, June 7th

09:00-11:20 **Session 6: Invited talks on self-adaption and legacy applications in SOA** (chair: Yvon Jégou)

- Elisabetta di Nitto – Politecnico di Milano, Italy (**S-CUBE**). Self-adaptation in service-oriented systems
- Parastoo Mohagheghi – SINTEF, Norway (**REMICS**). Migrating legacy application to the Service Cloud Paradigm

11:20-11:40 Coffee break

11:40-13:00 **Session 7: Cloud initiatives** (chair: Matti Heikkurinen)

Corporate papers:

- Daniel Vladušič (XLAB, Slovenia) et al. XLAB – an SME with expertise in distributed systems and computationally intensive applications
- Boris Vleju (Software Competence Centre Hagenberg, Austria) et al. The Christian Doppler Laboratory for Client-Centric Cloud Computing - Application-Oriented Fundamental Research

Position papers:

- Roman Wyrzykowski (Technical University of Czestochowa, Poland) et al. Cloud Campus Services in PLATON e-Science Platform
- Vaidas Giedrimas (Siauliai University, Lithuania), Audrius Varoneckas (Vytautas Magnus University, Lithuania) et al. The grid and cloud computing facilities in Lithuania

13:00-14:00 Lunch break

14:00-15:10 **Session 8: Invited talk on service level in e-infrastructures** (chair: Johan Tordsson)

- Matti Heikkurinen - Emergence Tech Ltd, Switzerland (**gSLM**). Service Level and Delivery Management in e-Infrastructures – Lessons learned in gSLM project

15:10-15:30 Coffee break

15:30-17:30 **Session 9: Semantics and composition in SOA** (chair: Tomáš Pitner)

Regular papers:

- Karol Furdik (Technical University of Kosice, Slovakia) et al. Support of Semantic Interoperability in a Service-based Business Collaboration Platform
- Karol Furdik (Technical University of Kosice, Slovakia) et al. The Semantic Middleware for Networked Embedded Systems Applied in the Internet of Things and Services Domain
- Georgiana Copil (Technical University of Cluj Napoca, Romania) et al. A Hybrid Firefly-inspired Approach for Optimal Semantic Web Service Composition
- Dessislava Petrova-Antonova (Sofia University, Bulgaria) et al. Towards a Taxonomy of Web Service Composition Approaches

Position papers:

- *Andras Micsik (MTA SZTAKI, Hungary) et al.* Combining SLA Prediction and Cross Layer Adaptation for Preventing SLA Violations
- *Mārtiņš Bonders and Jānis Grabis (Riga Technical University, Latvia).* A Holistic Method for Selecting Web Services in Design of Composite Applications

18:00-21:00 Social event

Wednesday, June 8th

09:00-11:20 **Session 10: Invited talks on Cloud SLAs and management** (chair: Salvatore Venticinquè)

- *Francesco D'Andria - ATOS Research, Spain (Cloud4SOA).* Cloud4SOA project - Business Application governance and SLA Management in PaaS context
- *Johan Tordsson - Umeå Universitet, Sweden (OPTIMIS).* OPTIMIS - towards holistic cloud management

11:20-11:40 Coffee break

11:40-13:00 **Session 11: Frameworks and efficiency** (chair: Sylvia Ilieva)

Regular papers:

- *Pawel Czarnul (Gdansk University of Technology, Poland).* Integration of Distributed Services into Workflow Applications with Optimization of Time, Cost and Energy Consumption
- *Ovidiu-Marian Achim, Valentin Cristea (Politehnica University of Bucharest, Romania) et al.* Load-Balancing Metric for Service Dependability in Large Scale Distributed Environments
- *Daniel Moldovan (Technical University of Cluj Napoca, Romania) et al.* Energy Aware Adaptation Methodology for Improving the Service Centers Energy Efficiency

Position papers:

- *Septimiu-Cosmin Nechifor (Siemens PSE, Romania), et al.* COGMAN: A cognitive management framework to support exploitation of the Future Internet

13:00-14:00 Lunch break

14:00-16:20 **Session 12: Invited talks on Cloud resource management** (chair: Francesco D'Andria)

- *Yvon Jégou - INRIA France (CONTRAIL).* Open Computing Infrastructures for Elastic Services: Contrail Approach
- *Salvatore Venticinquè - Seconda Università di Napoli, Italy (mOSAIC).* Agent Based Services for Negotiation, Monitoring and Reconfiguration of Cloud Resources.

16:20-16:35 Coffee break

16:35-17:00 **Session 13: Cloud providers' solutions - part II** (moderator: Viorel Negru)

- *Rares Juretschi (HP Romania/ESSN),* HP solutions for Cloud computing

17:00-18:00 **Session 14: Partnership offers for Call 8 of FP7-ICT, Objective 1.2** (moderator: Dana Petcu)

- Offers for partnership for Call 8
- Calls for partners

- Companies portfolio matching Call 8 topics

Announced speakers:

- Analiza Abdilla, MARSEC-XL Foundation, Malta
- Edina Varga, Budapest University of Technology and Economics
- John Abela, Ascent Software, Malta
- Manolov Dinko, ICB-InterConsult Bulgaria Ltd, Bulgaria
- Ernest Cachia, University of Malta
- Erik Flask, Malta Council for Science and Technology

18:00-19:00 **Session 15: Parallel sessions for project ideas | Expert group (closed) meeting**

Thursday, June 9th

09:00-11:20 **Session 16: Invited talks on Cloud resource management** (chair: Charles Loomis)

- *José Luis Vázquez-Poletti - Complutense University of Madrid, Spain (4CaaS).* Reducing Time to Market with the PaaS Cloud of the Future
- *Carlos Agostinho - UNINOVA, Portugal (UNITE).* Interoperability and the software, services and semantic technologies challenges in the future of internet

11:20-11:40 Coffee break

11:40-13:00 **Session 17: Management and control of platforms** (chair: Todor Stoilov)

Regular papers:

- *Valentin Cristea, Ovidiu-Marian Achim (Politehnica University of Bucharest, Romania) et al.* A Virtualization-based Approach to Dependability for Service Computing
- *Aneta Poniszewska-Maranda (Technical University of Lodz, Poland).* Multi-agent systems for access control in distributed information systems
- *Alexandru Stanciu, Bogdan Enciu and Gabriel Neagu (ICI, Romania).* Auto-administration of gLite-based grid sites

12:40-13:40 **Session 18: Applications** (chair: Vlado Stankovski)

Regular papers:

- *Aneta Poniszewska-Maranda (Technical University of Lodz, Poland) et al.* Vehicle routing problems with the use of multi-agent system
- *Maya Dimitrova (Bulgarian Academy of Sciences, Bulgaria) et al.* Cloud Computing Framework for New Medical Interface Technologies

Student paper:

- *Calin-Adrian Popa (Politehnica University of Timisoara, Romania).* Pattern neural networks: A case study

13:40-14:40 Lunch break

14:40-15:00 **Session 19: Award for the best project idea** (chair: Daniela Zaharie)

15:00-18:00 **Session 20: Training on FP7 project proposals** (chair: Dana Petcu)

18:00 Closing