



European Commission  
Information Society and Media



# Workshop on Future Research Challenges for Software and Services (FRCSS)

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European Commission DG Information Society and Media Unit D3

April 1, 2006, Vienna, Austria



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# Objectives

**With Framework VII in the horizon, the aim of this Workshop is twofold:**

- **Presentation of the current and future activities from the EU, Software Technologies unit, regarding Fundamental Software Engineering, Complexity and Self-Properties, Services, Open Source Software and Industrial initiatives.**
- **Refinement and discussion of the key challenges and future directions in each specific technical area as well as Software Technologies as a whole.**



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# Agenda

**09:00 – 10:30**

## **Session 1**

**Welcome**

Tiziana Margaria and Jose-Luis Fernandez Villacañas

**The Austrian Perspective**

Gerald Steinhard (Dean, Vienna Univ. Of Technology)

**The Future of Software and Services**

Günter Böckle (Siemens)

**The Nessi Perspective**

Stefano de Panfilis (Engineering)

**Project Presentations of Challenges**

**AOSD  
RODIN**

Awais Rashid  
Alexander Romanovsky

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# Agenda

**10:30 – 11:00**      **Coffee**

**09:00 – 10:30**      **Session 2**

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## **Presentations from Our Projects**

<b>SECSE</b>	Stefano de Panfilis
<b>DEDISYS</b>	Karl Goeschka
<b>MODELWARE</b>	Philippe Millot
<b>ASG</b>	Jari Veijalainen
<b>AMIGO</b>	Maddy Janse
<b>INFRAWEBBS</b>	H.-J. Nern
<b>PYPY</b>	Alastair Burt
<b>MADAM</b>	Svein Hallsteinsen
<b>MODELWARE</b>	Philippe Millot

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# Agenda

12:30 – 14:00

Lunch

14:00 – 15:30

Session 3

Technical Session: *From Software to Services*

## **Maintaining Large Software Distributions: New Challenges from the FOSS Era**

Roberto Di Cosmo, Berke Durak, Xavier Leroy, Fabio Mancinelli, and Jerome Vouillon

## **Softure: Adaptable, Reliable and Performing Software for the Future**

Valérie Issarny, Antonia Bertolino, Wolfgang Emmerich and Paola Inverardi

## **Requirements Composition and Refinement: Towards Composition-Centric Requirements Engineering**

Ruzana Chitchyan, Awais Rashid and Pete Sawyer

## **Short Contributions**

### **Business Modelling Environment BMETool**

Miguel Jose Montesdeoca, Juan Hernandez, Ana Placido and Mario Hernandez

### **An European Open Source Project Information Server**

Chris Chedgey, Micheal O’Foghlu and Eamonn de Leastar

### **Perspectives for a Model-driven Service Engineering Discipline**

Claus Pahl

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# Agenda

15:30 – 16:00

Coffee

16:00 – 17:30

Session 4

**Technical Session: *Semantics and Services as Complexity Challenge***

## **Emergent Phenomena in Aml Spaces**

Ioanis Zaharakis and Achilles Kameas

## **A Semantic Choreography-Driven Frequent Flyer Programme**

José-Manuel López-Cobo, Alejandro López-Pérez, James Scicluna

## **Characterization of Semantic Grid Engineering**

Joachim Bayer, Fabio Bella and Alexis Ocampo

## **Short Contributions**

### **Extended Service Binder: Dynamic Service availability Management in Ambient Intelligence**

André Bottaro and Anne Gérodolle

### **Service-Oriented Development in a Unified framework (SODIUM) – Future Research Challenges**

Arne Berre, H. Hoff, D. Skogan, A. Tsalgatidou, G. Athanasopoulos and M. Pantazoglou

### **Research Challenges in Mobile and Context-Aware Service Development**

Julien Pauty, Davy Preuveneers, Peter Rigole and Yolande Berbers

### **Context Management and Semantic Modeling for Ambient Intelligence**

Fano Ramparany, Jérôme Euzena, Tom Broens, Jérôme Pierson

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# Agenda

**17:30**    **Close**    Tiziana Margaria

**19:30**    **Social Event**

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**Joint Workshops Post-Conference Dinner**

Wiener Rathauskeller,  
Lanner Saal, Rathausplatz 1, 1010 Wien

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# Contacts

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**Cordis website:** [http:// www.cordis.lu/ist/st/index.htm](http://www.cordis.lu/ist/st/index.htm)

**The Software and Services Challenge: orientations for FP7:**

[ftp://ftp.cordis.lu/pub/ist/docs/directorate\\_d/st-ds/fp7-report\\_en.pdf](ftp://ftp.cordis.lu/pub/ist/docs/directorate_d/st-ds/fp7-report_en.pdf)

**Projects and Clusters:** <http://www.cordis.lu/ist/st/projects.htm>

**The Networked Future folder:** [http://www.cordis.lu/ist/directorate\\_d/info\\_brochure.htm](http://www.cordis.lu/ist/directorate_d/info_brochure.htm)