

Advance Program
**3rd International Workshop on Software Engineering for Large-Scale
Multi-Agent Systems (SELMAS 2004)**

May 24-25, 2004
Edinburgh, UK

Monday, May 24

08:30 - 09:00 Registration

09:00 - 09:10 Welcome

Welcome Address - Carlos Lucena (PUC-Rio, Brazil)

09:10 - 10:00 Keynote Talk

Invited Speaker - Gul Agha (University of Illinois at Urbana-Champaign, USA)

10:05 - 10:30 Technical Session 1

Session Chair - Jaelson Castro (UFPE, Brazil)

[10:05 - 10:30] **Comparing Agent-Oriented Methodologies Using the NFR Approach**
Carla Silva, Patricia Tedesco, Jaelson Castro and Rosa Pinto

10:30 - 11:00 Break

11:00 - 12:30 Technical Session 1 (Continued)

[11:00 - 11:25] **Comparing Agent-Oriented Methodologies Using the NFR Approach**
Lucia Bastos and Jaelson Castro

[11:30 - 11:55] **A Generative Approach for Open Multi-Agent Systems**
Uirá Kulezsa, Alessandro Garcia, Carlos Lucena and Paulo Alencar

[12:00 - 12:25] **Formal Specification of Role Components in Open Multi-Agent Systems**
Nabil Hameurlain, Christophe Sibertin-Blanc and Karima Belhadj

12:30 - 14:00 Lunch

14:00 - 15:30 Technical Session 2

Session Chair - Alexander Romanovsky (University of Newcastle upon Tyne, UK)

[14:00 - 14:25] **On Efficient Communication and Service Discovery in Multi-Agent Systems**
Myeong-Wuk and Gul Agha

[14:30 - 14:55] **Context-Sensitive Data Structures Supporting Software Development in Ad-hoc Mobile Systems**
Jamie Payton, Gruia-Catalin Roman and Christine Julien

[15:00 - 15:25] **Context-Sensitive Access Control for Open Mobile Agent Systems**
Christine Julien, Gruia-Catalin Roman and Jamie Payton

15:30 - 16:00 Break

16:00 - 17:30 Panel 1

Panel Chair - Rogerio de Lemos (University of Kent, UK)

Tuesday, May 25

09:00 - 09:55 Keynote Talk

Invited Speaker - Gruia-Catalin Roman (Washington University, USA)

10:00 - 10:30 Technical Session 3

Session Chair - Danny Weyns (KU Leuven, Belgium)

[10:00 - 10:25] **CAMLE: A Caste-Centric Agent-Oriented Modeling Language and Environment**

Lijun Shan and Hong Zhu

10:30 - 11:00 Break

11:00 - 12:30 Technical Session 3 (Continued)

[11:00 - 11:25] **Agent-Oriented Modeling Using ANote**

Ricardo Choren and Carlos Lucena

[11:30 - 11:55] **Combining Adaptive Behavior and Role Modeling with Statecharts**

Danny Weyns, Elke Steegmans and Tom Holvoet

[12:00 - 12:25] **Modeling Agent-Oriented Information Systems for Business Processes**

Ricardo Bastos and Marcelo Ribeiro

12:30 - 14:00 Lunch

14:00 - 15:30 Technical Session 4

Session Chair - Martin Griss (UCSC & Carnegie Mellon West, USA)

[14:00 - 14:25] **Advanced Separation of Concerns for Mechatronic Multi-Agent Systems through Dynamic Communities**

Florian Klein and Holger Giese

[14:30 - 14:55] **Separation of Concerns in Open Multi-Agent Systems: An Architectural Approach**

Alessandro Garcia, Uirá Kulesza and Carlos Lucena

[15:00 - 15:25] **Towards a Minimal Performance Metrics Suite for Agent-Based Systems**

Amir Zeid and Maha Abdel Kader

15:30 - 16:00 Break

16:00 - 17:30 Panel 2

Panel Chair - Carlos Lucena (PUC-Rio, UK)

17:30 - 17:40 Wrap up