

SIUMI'06

2nd International Workshop on Services and Infrastructure for the Ubiquitous and Mobile Internet

*Workshop in conjunction with
26th Int. Conference on
Distributed Computing Systems (ICDCS'06)*



Project **Webminds**
Wide-scale, Broadband
Middleware for Network
Distributed Services



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Services and Infrastructure for the Ubiquitous and Mobile Internet

The new Internet has to face new scenarios where
**Enhanced services must be available
anytime, anywhere, from any device**

Many problems to be solved for provisioning and
much work to be done in many different areas

New infrastructures for the services
identification and location management, service
adaptation, context awareness, session continuity,
service composition, P2P systems, ...

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SIUMI'06

within the
**26th Int. Conference on
Distributed Computing Systems (ICDCS'06)**

Philip S. Yu

T.J. Watson Research Center, IBM



WEB MINDS

Antonio Corradi

University of Bologna, DEIS



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Workshop Program at a glance

13:30 - 18:00 Total allotted time

SIUMI organized in two sessions

40 minutes per paper

13:30-15:30 Session 1

Middleware for Context-aware Provisioning

15:30-16:00 - COFFEE BREAK

16:00-17:20 Session 2

Application Provisioning and Novel Application Areas

17:20-18:00

Conclusions

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First session

13:30-15:30

Middleware for Context- aware Provisioning

Chair: Flavio De Paoli

Oriana Riva, Cristiano di Flora

"Contory: a Smart Phone Middleware Supporting Multiple Context Provisioning Strategies"

Paolo Bellavista, Antonio Corradi, Luca Foschini

"SIP-based Proactive Handoff Management for Session Continuity in the Wireless Internet"

Sten A. Lundesgaard, Ketil Lund, Frank Eliassen

"Service Plans for Context- and QoS-aware Dynamic Middleware"

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Second session

16:00-17:20

Application Provisioning and Novel Application Areas

Chair: Luca Foschini

Gabriella Carrozza, Marcello Cinque, Fabio Cornevilli, Stefano Russo

"An Optimized Workload for Failure Data Analysis of Mobile P2P over Bluetooth Ad-hoc Networks"

Marco Comerio, Flavio De Paoli, Simone Grega

"Quality Composition in Web-Service Design"

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Final session

17:20-18:00

Final Considerations

Gabriella Carrozza

Flavio De Paoli

Luca Foschini

Sten A. Lundesgaard

Oriana Riva

Antonio Corradi

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Final session

Elaborating from the SIUMI title and motivation

For the new Internet scenarios

- **Services**
- **Middlewares**

**Only with a good support and a large set of services
you obtain technology diffusion**

Services

Many differentiated service areas and requirements

Middlewares

Many different middleware in need of convergence

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Perspective

Disappearing Middlewares

Different perspectives coexisting about provided services
service transparency for user
no predefined service embedding

Middlewares tend to shrink to become only the very basic service container that delegates most chores and duties to the external organization

Disappearing Middleware

in the sense of enabling new functions, by providing them by delegation, and by hosting them only in need

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Perspective

Service Awareness

More and more services should be available and provided
service composition, instead of redesign
new service creation and adaptation
service control and management

Services should become more and more capable of handling duties usually provided by middlewares

Service Awareness

Middlewares have to make available the tools for the widest service awareness so services can be able to design new ones, deploy and control them

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CONCLUSIONS

SIUMI workshop
15 papers, 8 countries
5 accepted and presented

Services and Infrastructure for the Ubiquitous and Mobile Internet

identification and location management
context awareness and session continuity
middleware supports
P2P systems
service composition

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CONCLUSIONS

SIUMI workshop

thanks to all participating and involved people

Presenters and Authors
All people submitting papers
Reviewers and other collaborators
Steering Committee
Organizing Committee
Project WEBMINDS

Special thanks to

Philip Yu, Paolo Bellavista, and ... many others

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