

Report from Workshop on Middleware Architecture in the Internet (Mid Arch 2008)

Organizers

Hideaki Sone

Yasuo Okabe

James Sankar

Numbers

- Second Workshop (since 2007 Hiroshima)
- 3 Sessions on Tuesday, July 29
 - Session 1: Networks and Network Applications
 - Session 2: Network Design, Deployment and Reliability
 - Session 3: AAI
- 10 presentations/ 17 papers posted
 - 10 from Japan
- 2 invited talks from Europe

Topics in Mid Arch 2008 (1)

- Middleware = glue between applications and the Internet
- Session 1: Grid Computing Middleware
- Control methods for networking in grid computing
 - Dynamic window control for volume data transfer
 - Resource access history and P2P-based resource discovery
 - Communication relay mechanism for cluster grid
 - Authentication in nationwide computing environment

Topics in Mid Arch 2008 (2)

- Session 2: Network Middleware
- Technologies for mobility and flexibility
 - Access control for wireless LAN roaming
 - Policy roaming for mobility
 - Flexible communications in IP networks
- Session 3: AAI
- Authentication systems over networks
 - Privacy oriented attribute exchange
 - PKI authentication functions
 - Single-sign-on for legacy systems

Invited Talks in Mid Arch 2008

- Invited-Speakers proposed by TERENA
- Impressive talks on activities in Europe
 - The authentication and authorization infrastructure of a multi-domain network monitoring tool
 - Candido Rodriguez (RedIRIS)
 - Identity federations in European higher education
 - Mikael Linden (CSC, the Finnish IT Center for Science)

Achievements in Mid Arch 2008

- Research field that enables effective, flexible, and secure network applications
- Ambitious submissions
 - more than expected number of presentations
- Hot and fruitful discussions
 - common targets, many different ways
 - mutual information exchange
 - good session-chairs and participants

Future Mid Arch Workshop

- Need to discuss on a growing, hot field
- Discussions on grid technology, AAI and its applications, etc.
- More submissions from more areas, more fields
- Expecting three - four session-slots

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