3rd INTERNATIONAL WORKSHOP ON 'NEXT GENERATION NETWORKING MIDDLEWARE' (NGNM06)

in the scope of

Networking 2006

5th IFIP – TC6 Networking Conference

(http://www.ifip-networking.org)

Date: May, 19 2006
Venue: University of Coimbra, Coimbra, Portugal

IMPORTANT DATES

- Submission of papers: March 20, 2006
- Notification of acceptance: April 3, 2006
- Camera-ready due: April 10, 2006

NGNM04 held on May 2004, in conjunction with Networking 2004 conference in Athens, Greece, constituted a forum for the discussion of innovations and recent advances in the design and construction of Internet middleware. Both the requirements and expectations from various perspectives (i.e., networking, middleware and application level) were presented and analyzed. NGNM05 held on May 2005, in conjunction with Networking 2005 conference in Waterloo, Canada, focused on the identification of composite business services running on an Internet middleware platform that allows enterprises/networking actors to publish the services they provide, use services available globally in a secure manner and automatically compile the various services descriptions into executable processes. The special issue on "Emerging Middleware for Next Generation Networks" of Computer Communications journal complemented the success of NGNM04 and NGNM05.

NGNM06 targets to address the challenges of middleware platforms required for new generation mobile/wireless heterogeneous radio networks and services. Mobile/Wireless middleware is anticipated to increase the performance of applications running across potentially mixed wireless networks, to support multiple mobile/wireless devices, to provide continuous wireless access to content and services, to ensure end-to-end QoS and secure content and services delivery and to offer cross-system and cross-layer optimization taking into account issues related to usage behavior, mobility patterns, traffic profiling, network selection and relevant horizontal/vertical handovers.

Authors are invited to submit complete unpublished works as well as works on progress in the following, but not limited to, topic areas:

- Middleware support for micro/macro/multi-domain mobility
- Emerging Information Models and Frameworks (i.e., MPEG-21)
- Specification and enforcement of QoS
- Interworking between Heterogeneous Middleware Technologies
- Self-managing networks (self-healing, self-optimizing, self-protecting and self-configuring)
- Programmable, Active and Adaptive Networks
- Wireless Grids Middleware
- Grid-enabled Networking Middleware
- Performance evaluation and modeling in Wireless/Mobile Middleware
- Middleware support for cross-system and cross-layer optimization
- Middleware security, including authentication and authorization

Submissions

The workshop welcomes original and review papers from academic and industry contributors dealing with the above or related issues. All submissions will be subjected to review by two reviewers. Papers should be up to 6000 words in English, including bibliography and well-marked appendices. To submit a paper, send an email to Prof. George Kormentzas (gkorm@aegean.gr), containing the title, the authors' names, e-mail and post addresses, phone and fax numbers, identification of the contact author, and attach to the same message your paper in DOC format. The paper must start with a title, a short abstract, and a list of keywords.

All the accepted papers will be published in the workshop's proceedings. Furthermore, as it happened with NGNM04 and NGNM05, some selected papers will be extended in order to be considered for publication in a forthcoming special issue of a journal related to the workshop's goals.

NGNM Co-founders

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