

# The First International Workshop on Adaptive Systems in Heterogeneous Environments (ASHES)

4-7 March, 2008, Barcelona, Spain

<http://www.cs.bham.ac.uk/~rza/ashes08/>

TO BE HELD WITH CISIS 2008 & ARES 2008 CONFERENCES

ASHES 2008

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## Scope

Attempts at harnessing the variety of resources mediated by the Internet are being hampered by the increasing complexity of applications, the incompatibility of systems and the heterogeneity of their environments. These environments are highly dynamic and non-deterministic where a massive amount of data is processed unevenly. These characteristics preclude the indiscriminate application of centralised modes of coordination and resource management. As a result decentralised policies, models and mechanisms are being devised and deployed vigorously as a way of dealing with complexity and heterogeneity. In this context adaptivity emerges as an important facet of autonomous behaviour. The prominence of adaptivity as a fundamental behavioural property is manifest in foundational systems such as the Web and the GRID. Adaptivity is interwoven directly into the fabric of systems instead of being grafted onto them as an afterthought.

The aim of this workshop is to provide a forum for the presentation and discussion of issues related to adaptivity and its role in the provision of innovative solutions in heterogeneous environments.

## Topics

The workshop seeks original contributions on adaptivity and adaptive systems related but not limited to:

- Data models
- Architectures
- Hypermedia
- Personalization
- Self configuration
- Web and mobile applications
- Location-based systems
- Context-awareness
- Autonomic and dependable systems
- Agent-based systems
- Service provision
- Resource brokering
- Smart environments
- Query processing
- Knowledge management
- Workflow management
- Case studies and experiences of adaptive systems

## Submission Guidelines

Authors are invited to submit research and application papers following the IEEE Computer Society Proceedings Manuscripts style: 6 pages, two columns, single-spaced, including figures and references, using 10 fonts, and number each page. Papers should be submitted electronically via the CISIS'08 website (<http://www.cisis-conference.eu/>), or emailed directly to the workshop co-chairs.

The Proceedings of the workshop will be published by IEEE Computer Society Press.

## Important Dates

Submission deadline: November 20, 2007

Author notification: December 10, 2007

Author registration: December 20, 2007

Final paper version: January 2, 2008

Conference/Workshop dates: March 4-7, 2008