The First International Conference on Adaptive and Self-adaptive Systems and Applications
ADAPTIVE 2009
November 15-20, 2009 – Athens/Glyfada, Greece
http://www.iaria.org/conferences09/ADAPTIVE09.html

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Important deadlines:

Submission (full paper)	June 30, 2009
Notification	August 4, 2009
Registration	August 19, 2009
Camera ready	August 24, 2009

Tracks:

Fundamentals and design of adaptive systems

Fundamentals on adaptive and self-adapting systems; Frameworks and architectures for adaptive supporting platforms; Architectures for adaptive applications; Specification of adaptive behavior; Specification of adaptive structures and topologies; Design and implementation of adaptive components; Composition of adaptive behaviors and structures; Adaptive individual and collective behavior and structures; Adaptive deterministic and non-deterministic behavior; Semantic modeling

Adaptive entities

Adaptive environments; Adaptive hardware configurations; Adaptive software applications; Adaptive protocols; Adaptive algorithms; Adaptive and interactive interfaces; Adaptive filters; Adaptive clock speeds; Adaptive schedulers; Adaptive load balancers

Adaptive mechanisms

Adaptive real-time strategies; Learning-based adaptive strategies; Adaptive mechanisms (trees, ant algorithms, fuzzy-logic, etc.); Agent based-adaptive mechanisms; Policy- based adaptation; Feedback-based adaptive systems; Context-aware adaptation; User-aware adaptation

Adaptive applications

Adaptive artificial intelligence in computer wargames; Intelligent complex adaptive systems; Adaptive virtualization; Adaptive social networks; Adaptive entertainment applications; Adaptive disaster recovery systems; Anticipative adaptive systems; Fault-tolerant adaptive systems; Adaptive ad hoc networks; Application domains, e,g., building (AEC projects, simulation models, facility management), tourism, etc.; Adaptive economic applications (finance, stock exchange, regulatory decisions, etc.); Adaptive vehicular traffic

Self-adaptation

Theory of self-adaptation and control; Self-adaptive networks, systems, and applications; Self-adaptive services; Self-adaptive behavior and topology/structure; Specification of self-adaptive behavioral control

Self-adaptation applications

Self-monitoring and self-management; Self-configuration, self-healing, self-management; Self-defense, self-protection, self-diagnosis; Self-adaptation of overlay networks; Self-adaptation in ad hoc sensor networks; Context-aware self-adaptation of networks and services

Metrics for adaptive and self-adaptive systems

Stability and convergence; Optimal (self-) adaptation; Accuracy validation of (self-) adaptation; Real-time (self-) adaptive performance