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All the queries about the workshop should
be directed to Dr. Junaid Chaudhry
(Program Chair ANS2010) at
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The researchers in the ubiquitous systems domain are producing valuable solutions in order to make the vision of Mark Weiser a reality. This innovation brings along with the fruitful benefits some problems such as ever growing network size and functional complexity, the huge maintenance costs, and irresolvable bugs and congestion problems. The complexity has also crept into the middleware part of the networks and is increasing that affects the performance of services running on top of the network. The Autonomic Computing provides many creative solutions in the form of self management that is cheaper, scalable, and trustworthy for network management and services.

In the International Workshop on Autonomic Networks and Services (ANS2010) we discuss the research and development answers to autonomic networks, their novel application, multiuser/group mobility solutions, context related issues, naming services for wireless sensor networks, autonomic repository adaptation for social networks, applications of autonomic computing in web 3.0 and Next Generation Networks (NGN) paradigms, Autonomic Network Management, autonomic information lifecycle management, data synchronization among various ubiquitous servers, cross disciplinary applications of autonomic computing, novel autonomic services, service lifecycle management, etc.

The technical program of ANS2010 will consist of invited talks, paper presentations, and panel discussions. Topics include but are not limited to the following

Autonomic Networks: Theory and Models

Autonomic Computing Theories, Inter relationship of Self Management Functions, Pricing, accounting, and billing for ubiquitous network management services

Autonomic Computing: Architectures and Systems

Autonomic Network Management Architectures, Middleware for the management and seamless mobility of mobile multimedia services, Sensor Naming Service (SNS) based solutions for wireless sensor networks

Autonomic Services

Multi-point and multicast service management, Preemptive Fault Diagnostics, Management of service delivery platforms

Autonomic Semantic Web

Autonomic computing solutions for languages, grammars, and semantic data calibration, Convergence of Semantic data

Autonomic Context and Context related Issues

Management of content distribution networking, Context, Its mobility, conflict management, context Merging and Splitting

Autonomic Network Management

Cross Discipline Inspired Network Management Solutions, Management of wireless ad-hoc/mesh networks, NGN/4G networks, SOA, QoS and Cross-layer, Self-* properties of network management and mobile networks and services

Autonomic Social Networks

Data management issues in social networks through network intelligence, Data Assimilation from different source contexts

IMPORTANT DATES

Submission Deadline: April 30, 2010

Author Notification: June 30, 2010

Final Manuscript Due: July 30, 2010

PAPER SUBMISSION

The information about the paper submission shall be given on the workshop webpage:
<http://faculty.uoh.edu.sa/j.chaudhry/indexans2010.htm>

PAPER PUBLICATION

Accepted workshop papers shall be published in IEEE CS press (EI indexed). At least one author of each accepted paper is required to register and present their work at the workshop; otherwise the paper will not be included in the proceedings. Selected papers, after extension and further revisions, will be published in special issues and fast tracks of prestigious journals.