International Workshop on Web, Mobile, and Cloud Services (WMCS)

In conjunction with
The International Wireless Communications and Mobile Computing Conference
(IWCMC 2012)
August 27-31, 2012
Cyprus

Workshop Aim and Scope

With the rapid advances in Web and mobile technologies, access to online services has become ubiquitous. This ubiquity has even become a common practice with the deployment of cloud technologies where users and enterprises access a variety of resources including software, platform, and infrastructure exposed as services.

The service paradigm comes nowadays in different forms ranging from Web to mobile and now cloud. Are these forms different or complementary? What are the requirements and particularities of each? And could they be combined together? These are some of the questions that academics and industry people are examining. It is worth noting that Web, mobile, and cloud services are complementary and thus, do not compete. For instance, mobile services need to be deployed on the cloud to resolve issues related of the mobile device limited processing power, battery life, and data storage. Web services also should be deployed on the cloud to benefit from the abundance of processing and storage resources, reduce the cost, and to scale with larger number of clients. Also, cloud services might be leveraged and exploited using the main features of Service Oriented Architecture (SOA): publish, register, and discover. Therefore, there is a strong and complementary relationship between these technologies to achieve high level of effectiveness.

In this workshop, we aim to explore and discuss the research issues related to the usage, and the management of web, mobile, and cloud services and their convergence. We will discuss the main issues, solutions, and recommendations. These might include a wide spectrum of research questions such as: how data privacy is maintained by these services? What mechanisms could be used to discover the right services that respond to varying business needs? How services might be composed and managed? How QoS and SLA agreements is managed?.

WMCS'12 provides a premier forum for researchers to present innovative research and development progresses in all areas related to Web, Mobile, and Cloud services.

Areas of Interest

The workshop program invites papers on various topics of interest to this Workshop including (but are not limited to):

a. Service Discovery and Composition
b. Semantic description of Services
c. Costing and pricing of Services
d. Mobile Services
e. Cloud Services
f. Web Services
g. Agent-based Service architecture
h. Social computing
i. Cloud Service discovery

j.   Privacy and security of Services
k.   Cloud Quality of Service, Service Level Agreements
l.   Cloud services & architectures
m. Service federations and communities
n.   QoS driven selection and composition
o.   QoS management
p.   Internet of Services
q.   Internet of things
r.   Utility Computing
s.   Other related topics to this theme.

Cross topics between the above areas are welcome.

Important Dates

Paper Submission Deadline: 15 December 2011
Paper Acceptance Notification: 25 March 2012
Camera-ready Paper Submissions: 30 April 2012
Registration Deadline for Authors: 30 April 2012

Submission Instructions

Prospective authors are invited to submit original technical papers—up to 6 pages of length following the IEEE format, using the IWCMC 2012 EDAS link: http://edas.info/newPaper.php?c=11197 OR directly to the Workshop's EDAS submission link: http://edas.info/newPaper.php?c=11205&track=17869. Papers accepted and presented in this Workshop will be included in IEEE Xplore. For more information about the Workshop and the IWCMC 2012 conference, visit the conference website: http://iwcmc.org/2012.

Organizers

Chair:
- Mohamed Adel Serhani, UAE University, UAE

Co-Chairs:
- Zakaria Maamar, Zayed University, UAE
- Rachid Benlamri, Lakehead University, Canada
- Jamal Bentahar, Concordia University, Canada

Technical Program Committee

TBA