3rd International Workshop on Monitoring, Adaptation + Beyond (MONA+)

In Conjunction with the 8th European Conference on Web Services (ECOWS 2010)
December 1, Ayia Napa, Cyprus

http://www.s-cube-network.eu/MONA3

Motivation

The advances in modern technology and the constantly evolving requirements implied by dynamic business and operational environments impose new challenges for engineering and provisioning Web Services and Service-Based Applications.

Those services and applications have to become drastically more flexible: they should be able to operate and evolve in highly dynamic environments and to adequately identify and react to various changes in these environments. In such a setting, adaptation becomes a key capability of Web Services and Service-based Applications as it enables these services and applications to continuously change themselves in order to satisfy new requirements and demands dictated by the environment. The adaptability relies on the presence of monitoring mechanisms and facilities to identify, detect, and even predict critical events and situations that occur in the environment.

A variety of approaches and techniques addressing different forms of monitoring and adaptation have been proposed to date. Still, for delivering robust, dependable, and highly adaptable Web Services and Service-based Applications the definition of more holistic approaches is crucial. This requires the integration of the efforts of researchers from various disciplines and research areas. More specifically, this requires the integration across the different layers of a Service-based Application, including the business layer, the service layer, and the infrastructure layer. In addition, different competences, such as requirements engineering, design, quality assurance, realization, and management need to be brought together to devise those holistic approaches.

Workshop Goals

MONA+ 2010 aims at bringing together researchers and practitioners from different disciplines with various research backgrounds. The main objective for MONA+ is to discuss highly relevant and pressing research challenges and solutions on monitoring and adaptation of Web Services and Service-based Applications.

Topics

Topics of interest for the workshop include but are not limited to:

* Monitoring and adaptation mechanisms, frameworks, and architectures
* Monitoring and adaptation within/across business, service, and infrastructure layers
* Self-adaptation and human-in-the-loop adaptation
* Context-aware monitoring and adaptation
* Design principles, patterns, techniques and methods for monitoring and adaptation
* Predictive monitoring and pro-active adaptation
* Verification of adaptation and of adaptable Web Services and Service-based Applications

Paper Submission

Papers should be between 4 to 8 pages and should be formatted according to the ACM proceedings guidelines.
Submissions will be evaluated according to the relevance and originality of the work and to their ability to generate discussion among the workshop participants.

Papers can be electronically submitted using easychair at:
http://www.easychair.org/conferences/?conf=mona10

The workshop proceedings will be published in the International Conference Proceedings Series (ICPS) in the ACM Digital Library and will have an ISBN.

PC Chairs

Dimka Karastoyanova, University of Stuttgart, Germany

Raman Kazhamiakin, FBK-IRST, Trento, Italy

Andreas Metzger, Paluno (Ruhr Institute for Software Technology), University of Duisburg-Essen, Germany

Organising Committee

Alexander Nowak, University of Stuttgart, Germany

Eric Schmieders, Paluno (Ruhr Institute for Software Technology), University of Duisburg-Essen, Germany

Asli Zengin, FBK-IRST, Trento, Italy

Program Committee

tba

Important Dates (tentative)

Paper Submission:
20 September, 2010
Acceptance Notification:
30 October, 2010
Camera-Ready Copy:
20 November, 2010

Organized by
S-CUBE

Version: 2010-06-29