



# The 4<sup>th</sup> IEEE/ACM International Conference on Autonomic Computing (ICAC07)

## Call for Demos/Exhibits

11 – 15 June, 2007, Jacksonville, Florida, USA



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### FINANCE CHAIR & INDUSTRY LIAISON

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### REGISTRATION CHAIR

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The 4th International Conference on Autonomic Computing (ICAC 2007) will feature a demo and exhibit session consisting of prototypes and technology artifacts such as demonstrating autonomic software or autonomic computing principles, tools and frameworks. Technical demonstrations showing innovative and original research as well as commercial applications are solicited. In general this conference is interested in demonstrations of technology that address important research issues or demonstrate realistic applications of autonomic computing technology. Topics of interest include, but are not limited to:

- **Production or prototype systems** that exhibit self\* features such as self-monitoring, self-configuration, self-optimization, self-healing, and/or self-protection.
- **Self-managing elements** such as server, storage, network, or applications. Emphasis should be placed on techniques or lessons that may generalize to other elements.
- **Management topics** such as specification and modeling of business-level policies and their mapping to runtime management, including service-level agreements, negotiation or conversation support, and behavior enforcement, design processes, tie in with IT governance, and interaction with legacy systems.
- **Fundamental science of self-managing systems:** understanding, controlling, or exploiting emergent behavior, fault-tolerance, machine learning, control theory, predictive methods and their use to automate manual operations and enforce behavior.
- **Software architectures** for self-managing systems, based on interoperable services, agent-based systems, web services, model-based systems or novel paradigms such as biological, economic or social.
- **System-level technologies, middleware or services** that entail interactions among two or more components of self-managing systems such as health monitoring and performance understanding, dependency analysis, problem localization or remediation, workload management, and provisioning.
- **Operating system** support for autonomic systems, including virtualization, migration, and distributed systems technologies.
- **Interfaces to autonomic systems**, including user interfaces, interfaces for monitoring and controlling behavior, techniques for defining, distributing, and understanding policies.
- **Toolkits, environments, models, languages, runtime and compiler technologies** for building self-managing components, systems or applications.
- **Experiences with autonomic system or component prototypes:** measurements, evaluations, or analyses of system behavior, user studies, or experiences with large-scale deployments of self-managing systems or applications.

### DEMO/EXHIBIT SUBMISSION INSTRUCTIONS

Consideration for an ICAC demo/exhibit will be based on the submission of a demo/exhibit proposal. Proposals should be limited to one page and include the following:

1. Title of the proposed demo/exhibit.
2. Names, affiliations, and contact information of the organizers, with one identified as the primary contact.
3. Detailed description of the demo/exhibit and why it would be of interest to ICAC attendees.
4. Audio/Video & infrastructure requirements.

ICAC demos/exhibits will typically consist of a display or poster, and live or recorded demonstrations of autonomic system artifacts or software related to any of the topics listed above. Demo/exhibit authors are responsible for the printing of display material and set up of demonstration environments. Note that demo/exhibit materials will *not* appear in the ICAC 2007 proceedings. The ICAC conference has a separate review process for technical posters – please refer to the web page listed below for more information.

Please submit your demo/exhibit proposal to both co-chairs in PDF format by email (see addresses below). Entries will be judged by a separate committee.

### VENUE

ICAC07 will be held in Jacksonville, Florida, USA, at the Hyatt Regency Jacksonville Riverfront Hotel, 225 East Coastline Drive, Jacksonville, FL 32202.

### IMPORTANT DATES

*Demo/Exhibit/Tutorial Proposal submissions: March 3, 2007*

*Author notification: March 24, 2007*

### INFORMATION

Web Page: <http://www.autonomic-conference.org>

Demo/Exhibit co-chairs:

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