

## Call For Tutorials

### International Conference on Autonomic Computing (ICAC-04)

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

In conjunction with the 113<sup>th</sup> International World Wide Web Conference  
Sheraton Hotel, New York, NY, May 17-18, 2004

The International Conference on Autonomic Computing (ICAC-04) is a forum for researchers, engineers, application & service developers and users to present their latest advances in the field of autonomic computing. An integral part of this conference will be tutorials conducted by industry & academia professionals.

We are actively seeking proposals for half or full day tutorials on any area of interest to the autonomic computing community to be held in conjunction with ICAC-04. As this is the first conference in a series, we would like to focus on more introductory tutorials catering to a more general audience. Topics of interest include, but are not limited to:

- Self-managing system components, such as storage, network, server, client, and database. Emphasis should be placed on interactions with other components, or techniques or lessons that may generalize to other components.
- AI and other generic technologies for self-managing components including statistical, machine learning, and optimization techniques, planning, knowledge representation, reasoning, fault diagnosis, policies, sensing, and monitoring.
- General architectures for individual components or for autonomic computing systems as a whole, based on Open Grid Services, Web Services, or more novel paradigms based on biological, economic, social, or other analogies.
- Toolkits, development environments, and languages for autonomic computing. Support for building individual components of autonomic computing systems or applications.
- Technologies to support inter-element interactions, such as SLAs, negotiation protocols and algorithms, and conversation support.
- System-level technologies or services that entail interactions among two or more components of self-managing systems, such as dependency analysis, problem localization or remediation, workload management, provisioning, and health monitoring.
- Autonomic computing systems or prototype systems that exhibit self-configuration, self-optimization, self-healing, and/or self-protection.
- Human interaction with autonomic systems, including user studies, interfaces for monitoring and controlling behavior, and techniques for defining, distributing, and understanding policies.
- Fundamental science of self-managing systems: understanding, controlling, or exploiting emergent behavior, theoretical investigations of coupled feedback loops, robustness, and other related topics.

A tutorial proposal should contain the following information:

- A brief description of the tutorial
- The target audience and a description of why the tutorial topic would be of interest to a substantial part of the Autonomic Computing audience
- The objectives of the tutorial
- Prerequisite knowledge required in order to attend the tutorial
- A detailed outline of the topics to be presented

A tutorial proposal should also include names, affiliation and biographical sketches of the speaker(s). Please also state the intended length (half or full) of the tutorial, and the Audio/Video & infrastructure requirements. Please submit your tutorial proposal to the tutorial chair ([mazin.s.yousif@intel.com](mailto:mazin.s.yousif@intel.com)) no later than 11:59PM on January 30<sup>th</sup> 2004.

**Submissions should be sent to the Tutorial Chair, Mazin Yousif <[mazin.s.yousif@intel.com](mailto:mazin.s.yousif@intel.com)>, no later than 11:59pm PST on January 30, 2004 for consideration.**