

Preliminary Call for Papers

Net.ObjectDays 2004

5th Annual International Conference on Object-Oriented and Internet-based Technologies, Concepts, and Applications for a Networked World

Erfurt, Germany, September 27-30, 2004

Important Dates

Submission of Papers: April 23, 2004

Notification: May 28, 2004

Final Version Due: June 25, 2004

Conference: September 27-30, 2004

Net.ObjectDays is one of the major international conferences on object-oriented and internet-based technologies, concepts, and applications. Based on a strong research and innovation focus, Net.ObjectDays has a tradition in bringing together leading researchers from academia and industry and system architects, developers, and users from industry and administration. Constantly evolving and increasingly powerful information and communication technologies have substantially changed the nature of global relationships, sources of competitive advantage and opportunities for economic and social development. The Internet, and associated communication technologies have turned the globe into an interconnected network of individuals, firms, organizations, and governments communicating and interacting with each other through a variety of channels. These developments pose increasingly complex challenges to the computer science community in general and the software community in particular. One of the most important aspects is characterized by buzzwords like on-demand computing or adaptable computing. The basic idea is to assemble, configure and compose software to provide individual solutions to solve one-of-a-kind issues in an adequate, reliable and cost-effective way.

Given this background, the focus of Net.ObjectDays 2004 is on methods, concepts, languages, and tools for efficient, reliable and adaptive composition of software artefacts to provide value-added services, i.e., to provide the scientific and technological basis for making on-demand computing a reality. Recent developments in different areas contribute to this technological basis, for instance web services, service composition, grid computing and also software generation, domain engineering and related approaches. Along this line, the topics of the conference include but are not limited to:

- Software Methodologies for service composition
- Semantic Web Services
- Ontological Engineering
- Grid services infrastructure
- Functional and non-functional properties
- Service Registry Design
- Standardization issues
- Framework technologies and platform developments
- Software Reusability
- Domain Engineering and Software Product Lines

- Object-oriented technologies and concepts
- Architecture-centric development
- Component-based approaches
- Agile Processes and Agile Modelling
- Generic Programming
- Software Patterns and Frameworks
- Software Quality and Testing
- Aspect-Oriented Software Development
- Generative Programming
- Component Market Places
- Middleware, especially EJB, CORBA, SOAP, .NET, Jini

We invite submissions in the categories "Research papers" and "Case Studies from industry".

Electronic submissions are strongly encouraged; details will be announced shortly. Please upload a self-contained PostScript file or PDF file. Papers must be original contributions that have not been published previously, nor already submitted to other conferences in parallel with this conference. The length of the paper cannot exceed 16 pages, and the paper should be in such a form that it can be immediately included in the proceedings without major revision. The layout has to match the author instructions of Springer-Verlag that can be found at www.springer.de/comp/lncs/authors.html. Papers must be in English. Submissions received too late and submissions sent by fax will not be considered. The title page must contain a short abstract and a classification of the topics covered, preferably using the list of topics above. Please also specify the paper category. The paper must clearly state the problem being addressed, the goal of the work, the results achieved, and the relation to other work. It must be self-contained.

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