

***4th Annual International Conference on Object-Oriented and Internet-based Technologies, Concepts, and Applications for a Networked World***

***including  
4th International Symposium on Multi-Agent Systems, Large Complex Systems,  
and E-Businesses (MALCEB'2003)***

***Net.ObjectDays 2003 (NODE 2003)***

Official successor conference to JavaDays, STJA and JIT

***Objects, Components, Architectures, Services and Applications for a Networked World***

Messekongresszentrum (Fair and conference center) Erfurt, Thuringia, Germany

September 22 - 25, 2003

***hosting  
2nd Annual International Conference on Generative Programming, and Component Engineering  
(GPCE'2003)  
-separate Call-For-Paper-***

***Important Dates:***

<b>Paper submission for the main conference (5000-6000 words):</b>	<b>April 28, 2003</b>
<b>Notification of acceptance:</b>	<b>May 30, 2003</b>
<b>Camera-ready copies in electronic format:</b>	<b>June 30, 2003</b>
Workshop proposals:	March 28, 2003
Tutorial suggestions:	April 28, 2003
Panel suggestions:	April 28, 2003
Doctorial symposium (Young Researcher Workshops):	April 28, 2003
Industry papers:	May 30, 2003

***Conference History and Guiding Principles***

Ever-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, portable computers/devices and wireless 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.

Net.*ObjectDays* (NODE) is one of the main international conferences that focus on object-oriented and internet-based technologies, concepts, services, and applications. It is the integrative successor of the well known JavaDays, STJA, and JIT conferences and is organized in this format for the fourth time. It puts strong emphasis on the active exchange of concepts and technologies between academia and industry. Continuing in this tradition, this year's NODE will offer the opportunity to meet and work with leaders from research and industry.

NODE 2003 especially focuses on topics such as object-oriented (distributed) technologies, concepts and systems, component-based approaches and software product lines, agent-related technologies, knowledge management for the Internet, advanced database systems and the Web, quality, security, and reliability issues for all kinds of E-Business, specifically for E-Government and B2B E-Commerce, including both the engineering and use of web-based applications. As systems ought to be engineered well to be able to cope with the influx of the above-mentioned technologies in a positive way, the integrative factor of software architectures and component-driven technologies (especially their demands with regards to structures (patterns and architectures) and processes (enhanced life-cycles and workflows)) form additional focuses of NODE 2003. However, as in the years before, NODE will be open to questions and aspects of object-oriented and Internet-based technology in general and invites submissions related to a wide variety of topics in these areas.

### ***The Main Conference***

The Conference provides a forum for the presentation of mature research results that fit the general theme “Objects, Components, Architectures, Services and Applications for a Networked World“. Special emphasis will be given to the practical applicability and evaluation of reported results. Research papers will be fully reviewed. In addition to the technical program, the conference will include keynote talks by internationally well-known experts and panel discussions.

This years NODE will cover five main topics:

- *Object-oriented technologies and concepts*
- *Component-based approaches and Software Product Lines*
- *Agent technology , Database Systems, Exchange Formats, Middleware and the Web*
- *Knowledge Management for the Internet*
- *Application and Challenges in E-Business and E-Government*

Besides research papers, we strongly encourage submissions from industry and public sector representatives engaged in E-Government projects. Our special interest is in state-of-the-art applications under industrial conditions and finished or on-going case studies. A full review of these papers will be the rule. However, we also offer industrial and public-sector participants the opportunity to indicate that they want to present/publish without going through the full review process. In this case, the NODE-PC will apply an application-oriented quality and interest check to ensure high standards and provide an opportunity to present/publish in specially marked sessions/sections of the proceedings.

Conference languages are both German and English. However, we strongly encourage submissions and talks in English to allow our international guests to attend the presentations.

### ***Topics of Interest***

Topics of interest focus on, but are not limited to, the following themes:

#### *↳ Object-Oriented Technologies and Concepts*

- Programming Languages, (CASE) Tools and Environments
- OO-Programming Languages - Criticism and Extensions
- Software Development Concepts (UML; etc.)
- Strategies for ensuring Software Quality, e.g., testing and inspections
- Security (Architectures/ Security Engineering)
- Virtual Machines and Processors, esp. Java
- (Object-oriented) Framework Technologies
- Agile Processes and Agile Modeling OO
- Generic Programming

#### *↳ Component-based approaches and Software Product Lines*

- Domain Engineering and Software Product Lines
- Business issues of Software Product Lines
- Software Reusability
- Architecture-centric development
- Integrated Systems Development in practice
- Components and their Applicability
- Software Patterns and Frameworks
- Modeling of Component-Based Systems (e.g., using UML)
- Aspect-Oriented Software Development
- Generative Programming
- Component Market Places

↳ *Agent technology, Database Systems, Exchange Formats, Middleware and the Web*

- Distributed and Wireless Computing
- Mobility, communication and coordination of Agents
- Applications of Agent Technology, Agents in E-Commerce
- Web-Based Applications, WEB Services
- Middleware, especially EJB, CORBA, SOAP, .NET, Jini
- Agent Platforms, Agent Engineering
- Object Bases, XML Databases
- Query Languages for Object Bases and XML Databases
- XML-Schema Integration and Transformation
- XML-Based Software Technologies
- XML Security Concepts
- Exchange formats for catalogue data

↳ *Knowledge Management for the Internet*

- Knowledge Sharing and Filtering
- Distributed Information Retrieval on the Internet, Web-based text mining
- Ontological Engineering
- Acquiring and using meta knowledge
- The Semantic Web
- Experience-based Web Engineering

↳ *Applications and Challenges in E-Business and E-Government*

- E-Procurement
- Citizen-Centric Portals
- Government-to-Business
- E-Participation, E-Democracy
- E-Collaboration
- Controlling success of E-Applications
- Testing of E-Applications
- Usability Engineering for E-Applications
- Privacy, Trust and Security issues

**Workshops**

Since NODE is dedicated to the exchange of research ideas it will host an exciting variety of high-level workshops. These workshops provide a forum for highly focused meetings, dealing with the specific topics and interests of the participants. Papers should be submitted directly to the workshop of your choice. All submissions will be fully reviewed by specialized workshop PCs. Accepted workshop-papers will be presented in special tracks of the NODE main conference and will be published in the official conference proceedings and on CD. Outstanding workshop papers will be included in an extra best of proceedings that will be published with a major publishing company.

**Tutorials**

The conference will offer a full day of tutorials from renowned experts in the fields. Tutorials will take place on the special tutorial day (Monday, Sep. 22).

**Young Researcher Workshop**

NODE will continue to offer young researchers a forum to present to and discuss their ideas with a highly interested audience and well-known experts.

**Proceedings**

All papers will be published in the conference proceedings which will be published by a well-known publishing company (probably by Springer in LNCS) and on a conference CD.

### ***Submission guidelines:***

Submit your contribution in English, using a pdf or postscript-format to:

- Regular research paper: [cfp-research@netobjectdays.org](mailto:cfp-research@netobjectdays.org)
- Submission from industry: [cfp-industry@netobjectdays.org](mailto:cfp-industry@netobjectdays.org)
- Workshop proposal: [cfp-ws@netobjectdays.org](mailto:cfp-ws@netobjectdays.org)
- Tutorial proposal: [cfp-tut@netobjectdays.org](mailto:cfp-tut@netobjectdays.org)
- Doctorial session [cfp-doc@netobjectdays.org](mailto:cfp-doc@netobjectdays.org)

Formatting instructions and templates for Word and TeX can be found at:

- <http://www.netobjectdays.org> [Menu: For Authors]

### ***Program Co-Chairs***

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### ***Organizing Committee***

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M. Weber, University of Ulm  
H.G. Weissenbach, Dripke.Wolf.Weissenbach  
J. Westerhausen, STIFT Thüringen

### ***Additional Information***

Additional information concerning the conference and the location:

- NODe 2003: <http://www.netobjectdays.org/>
- Erfurt: [Menu: Conference Location]
- E-Mail: [kongress@netobjectdays.org](mailto:kongress@netobjectdays.org)