PREVIEW NET.OBJECTDAYS 2003

- **Meet experts from industry, research, development and education**
- Scientific Conference with **Tutorials, Keynotes, Sessions and Workshops**
- Accompanying **Exhibition** and sophisticated **Event Program**
- Congress Participation at excellent conditions, balanced graduation of prices as well as **free local public transportation**
- Additional information: **www.netobjectdays.org**

Congress Center Erfurt/Germany - September 22 - 25, 2003

REVIEW NET.OBJECTDAYS 2002



Keynote & InDepth
Gregor Kiczales



Congress Center
Messe Erfurt AG



Keynote & Tutorial
Craig Larman



Exhibition Area
Floors of the Conference Center



Invited Speaker
Keith Jeffery



Political Statement
Franz Schuster, "patron"
Minister of Economics,
State of Thuringia



Co-Chair WS Holonic Enterprise
Armando Walter Colombo



TOP Sponsor´s Speech
Wolf-M. Scheid, Formal Reception,
Baroque Saloon, Thür. Staatskanzlei

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Support this non-commercial conference:
Your commitment helps to keep conference fees low and thus fosters communication between research, industry and university students.

Further information:
If you are interested in becoming a sponsor or in exhibiting at the conference, please contact:

sponsor@netobjectdays.org

exhibitor@netobjectdays.org

phone: +49 (0)3677 845 106

Conference Organization

tran*SIT* - Thüringer Anwendungszentrum für Software-, Informations- und Kommunikationstechnologien GmbH
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WELCOME!

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Business Meets Research

NET.OBJECTDAYS 2003

Official successor conference to JavaDays, STJA and JIT
Fair and Congress Center Erfurt, Thuringia, Germany ◆ September 22 - 25, 2003

CALL FOR PAPERS

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

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

hosting

2nd Annual International Conference on Generative Programming and Component Engineering ***(GPCE´03)***
1st International Conference on the Web Service Approach ***(ICWS´03-Europe)***
1st German Conference on Multiagent System Technologies ***(MATES'03)***

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STIFT Thüringen
German Informatics Society

Important Dates

April 28, 2003:
Paper submission main conference
May 30, 2003:
Notification of acceptance
June 30, 2003:
Camera-ready copies
More important dates: inside this flyer

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 being 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)) constitute 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.

www.netobjectdays.org

Fraunhofer IESE Institut Experimentelles Software Engineering

tranSIT GmbH · STIFT Stiftung für Technologie- und Innovationsförderung Thüringen · Freistaat Thüringen Ministerium für Wirtschaft, Arbeit und Infrastruktur

Business Meets Research

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 year´s 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*

Beside research papers, we strongly encourage submissions from industry and public sector representatives engaged in E-Government projects. Our special interest lies 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

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 Modelling 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
- Modelling 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 catalog 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

Important Dates - Submission Guidelines

Regular research papers for the main conference (5000-6000 words):

Submit to cfp-research@netobjectdays.org	**April 28, 2003**
Notification of acceptance	May 30, 2003
Camera-ready copies in electronic format	June 30, 2003

Submission for

Workshop proposals:	
to cfp-ws@netobjectdays.org	**March 28, 2003**
Tutorial suggestions:	
to cfp-tut@netobjectdays.org	**April 28, 2003**
Panel suggestions:	
to scp-node@netobjectdays.org	**April 28, 2003**
Industry papers	
to cfp-industry@netobjectdays.org	**May 30, 2003**
Young Researchers Workshop (Doctoral Symposium):	
to cfp-doc@netobjectdays.org	**June 22, 2003**

Submit your contribution in English, using pdf or postscript format. Formatting instructions and templates for Word and TeX can be found at:

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

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) as well as on a conference CD.

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, Sept. 22).

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”, which will be published by a major publishing company.

Young Researchers Workshop (Doctoral Symposium)

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

Program Chairs

If you have any questions, contact one of the **program co-chairs**:

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