



# TOOLS Europe 2011

49<sup>th</sup> International Conference on  
Objects, Models, Components and Patterns

Zurich – Switzerland, 28 - 30 June 2011



Co-located  
with:

International Conference on Model Transformation: **ICMT 2011**  
International Conference on Software Composition: **SC 2011**  
International Conference on Tests and Proofs: **TAP 2011**

Now that object technology is mainstream, it can be studied in combination with other technologies devoted to achieving high quality software. TOOLS EUROPE is a long standing conference that brings together researchers, practitioners and students to discuss objects, models, components, patterns, languages and systems in a holistic way. TOOLS has a strong practical bias, without losing sight of the importance of correctness and performance.

TOOLS EUROPE solicits contributions on all aspects of object technology and related fields, in particular model-based development, component-based development, language implementation and patterns. More generally, any contribution addressing topics in advanced software technology falls within the scope of TOOLS. Reflecting the practical emphasis of TOOLS, contributions showcasing applications along with a sound conceptual contribution are particularly welcome.

Topics include:

- Applications to safety- and security-related software
- Aspects and aspect-oriented programming and modelling
- Component-based programming, modelling, tools
- Distributed and concurrent object systems
- Domain specific languages and language design
- Experience reports, including efforts at standardisation
- Frameworks for component-based development
- Language implementation techniques, compilers, run-time systems
- Model-driven development, model-driven architecture
- Multicore programming, models and patterns
- Object technology, including programming techniques, languages, tools
- Open source solutions and reproduction studies
- Patterns, pattern languages and tool support for patterns
- Practical applications of program verification and analysis
- Real-time object-oriented programming and design
- Testing of object-oriented systems
- Tools and frameworks for model-driven development
- Trusted and reliable components

The conference proceedings will be published by Springer in the **LNCS series**. A selection of the best papers of the conference will be invited to submit extended versions to the renewed **Journal of Object Technology** (<http://www.jot.fm>).

## Important Dates

Papers submission deadline: January 28, 2011  
Acceptance notification: March 23, 2011  
Camera-ready final copy: April 4, 2011  
Conference: June 28 - 30, 2011

## Conference Chair

Bertrand Meyer, *ETH Zurich and Eiffel Software*

## Program Chairs

Judith Bishop, *Microsoft Research, USA*

Antonio Vallecillo, *Universidad de Malaga, Spain*

## Invited Speakers

Oscar Nierstrasz, *University of Bern, Switzerland*

Frank Tip, *IBM Research, USA*

## Publicity Chair

Esther Guerra, *Universidad Autónoma de Madrid, Spain*

## Program Committee

Uwe Assman, *University of Dresden, Germany*

Alexandre Bergel, *University of Chile, Chile*

Lorenzo Bettini, *University of Torino, Italy*

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Juan de Lara, *Universidad Autónoma de Madrid, Spain*

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Gregor Engels, *University of Paderborn, Germany*

Erik Ernst, *Aarhus University, Denmark*

Benoit Garbinato, *University of Lausanne, Switzerland*

Jesús García-Molina, *Universidad de Murcia, Spain*

Angelo Gargantini, *University of Bergamo, Italy*

Jeff Gray, *University of Alabama, USA*

Thomas Gschwind, *IBM Research, Switzerland*

Matthias Hauswith, *University of Lugano, Switzerland*

Nigel Horspool, *University of Victoria, Canada*

Gerti Kappel, *Vienna University of Technology, Austria*

Doug Lea, *State University of New York Oswego, USA*

Welf Löwe, *Linnaeus University, Sweden*

Peter Müller, *ETH Zurich, Switzerland*

James Noble, *Victoria University of Wellington, New Zealand*

Aditya Nori, *Microsoft Research, India*

Nate Nystrom, *University of Lugano, Switzerland*

Manuel Oriol, *University of York, UK*

Richard Paige, *University of York, UK*

Ralf Reussner, *Karlsruhe Institute of Technology, Germany*

Peter Thiemann, *University of Freiburg, Germany*

Nikolai Tillmann, *Microsoft Research, USA*

Laurence Tratt, *Bournemouth University, UK*

Arie van Deursen, *Delft Univ. of Technology, Netherlands*

Jan Vitek, *Purdue University, USA*

Jules White, *Vanderbilt University, USA*

Manuel Wimmer, *Vienna University of Technology, Austria*