



Call for Contributions:
3rd International Conference on
Aspect-Oriented Software Development
March 22 - 26, 2004, Lancaster, UK. <http://aosd.net/conference>
*Sponsored by the Aspect-Oriented Software Association
and Lancaster University, other sponsors pending*

Important Dates

Technical paper abstract submission: October 15, 2003

Technical paper submission: October 22, 2003

Practitioner reports submission: October 22, 2003

Workshop/Tutorial proposal submission: October 8, 2003

Demonstration proposal submission: November 7, 2003

Watch the <http://aosd.net/conference> site for detailed information.

The construction and evolution of a software system involves many different aspects including features, qualities, perspectives, use cases, collaborations, requirements, processes, and implementation structures. Aspect-oriented approaches provide new means for modularizing such crosscutting aspects of a system. AOSD 2004 will bring together researchers and practicing software developers to discuss new ideas in aspect-oriented technology.

Technical Papers

The AOSD 2004 conference invites high-quality papers reporting research results and/or experience related to aspect-orientation. Research papers should describe work that advances the current state of the art. Experience papers should be of broad interest and should describe insights gained from practical application of aspect-oriented technology. The program committee will evaluate each paper based on its relevance, significance, clarity and originality.

Like object-orientation and other separation-of-concerns technologies, aspect-orientation has implications throughout the software lifecycle. Specific topics of interest for the conference include, but are not limited to:

- Applications and tools
- Software architectures and product lines
- Aspect interference and composition
- Contracts, components and aspects
- Model Driven Architecture and UML
- General-purpose and domain-specific aspect languages
- Software development methods and patterns
- Reverse engineering and refactoring
- Reflection and meta programming
- Semantics and type systems
- Verification, validation and testing
- Distributed systems and middleware
- Evolution and adaptability
- Evaluation and metrics

Details on the submission format will be available on the web site. Submitted papers must have content that has not previously been published in, or under review by, refereed venues.

Workshops

We invite proposals for one-day workshops to be held in conjunction with AOSD 2004. A workshop is a collaborative forum where participants (typically 15 to 30) meet to exchange opinions, present ideas, and discuss preliminary results on a focused topic. The workshops at previous AOSD conferences have addressed a wide variety of areas, ranging from foundations to practice to applications to commercialization. For AOSD 2004, we again seek to offer an exciting set of workshops on well-defined and focused topics that deal with emerging challenges and innovative approaches in AOSD.

Tutorials

We invite proposals for half-day and full-day tutorials to be held in conjunction with the AOSD 2004 conference. We seek to offer a high-quality tutorial program covering the state of the art in AOSD, with topics of interest for both beginning and advanced participants. Introductory tutorials should be designed for attendees with little or no experience in AOSD, and should seek to educate participants about major AOSD concepts and well-developed approaches. Advanced tutorials should attract more experienced participants and should address advanced techniques, applications, and emerging opportunities.

Demonstrations

We invite demonstration proposals ranging across commercial, academic, and corporate research systems. The demonstrations will be selected on the basis of technical merit, novelty, relevance to the AOSD community, and feasibility of the presentation. The presentation should be focused on the technical content and given by the technical members of the team. Product marketing is inappropriate in this forum.

Practitioner Events

We are planning a number of events aimed at practitioners in commercial and noncommercial organizations who are adopting and using AOSD techniques. We invite the submission of practitioners' reports about the application of aspect-oriented ideas in practice. The conference web page will carry announcements about other events and submission dates.

Program Committee

The following is a preliminary and partial list of PC members.

- Mehmet Aksit, University of Twente
- Don Batory, University of Texas, Austin
- Brian Barry, Bedarra Research Labs
- Shigeru Chiba, Tokyo Institute of Technology
- Siobhan Clarke, Trinity College, Ireland
- Adrian Colyer, IBM
- Kris De Volder, University of British Columbia
- Marc Fleury, JBoss
- Jim Hugunin, PARC
- Gregor Kiczales, University of British Columbia
- Guenther Kniessel, University of Bonn
- Shriram Krishnamurthi, Brown University
- Ralf Laemmel, CWI Amsterdam
- Crista Lopes, University of California, Irvine
- David Lorenz, Northeastern University
- Joe Loyall, BBN
- Hidehiko Masuhara, University of Tokyo
- Mira Mezini, University of Darmstadt
- Oege de Moor, Oxford University
- Harold Ossher, IBM Research
- Peter Sawyer, University of Lancaster
- Doug Schmidt, Vanderbilt University
- David Sharp, Boeing
- Mario Suedholt, Ecole des Mines de Nantes
- Janos Sziptanovits, Vanderbilt University
- Peri Tarr, IBM Research
- Jianjun Zhao, Fukuoka Institute of Technology

Conference Committee

- General Chair: Gail Murphy, University of British Columbia
- Organizing Chair: Awais Rashid, Lancaster University
- Program Chair: Karl Lieberherr, Northeastern University
- Workshop and Tutorial Co-Chairs: Eric Eide, University of Utah & Hidehiko Masuhara, University of Tokyo
- Demonstrations Chair: Siobhan Clarke, Trinity College
- Publicity Chair: Mik Kersten, Intentional Software
- Student Event Co-Chairs: Mira Mezini, Technische Universität Darmstadt & Rob Walker, University of Calgary
- Industry Chair: Ron Bodkin, New Aspects of Security
- Web Chair: Doug Janzen, University of British Columbia