International Conference on Aspect-Oriented Software Development

March 21 - 25, 2011, **Porto de Galinhas**, Pernambuco | Brazil

AOSD 2011: Perspectives on Modularity

The International Conference on Aspect-Oriented Software Development (AOSD) is the premier conference on software modularity that goes beyond traditional abstraction boundaries. The past series of the conferences have been mainly investigating "the aspects" for 10 years and explored their clear benefits. Furthermore, they have revealed that advanced modularity is the core notion for building modern software systems and hence other new modularization paradigms and techniques are also getting spotlighted today.

AOSD 2011 seeks to foster advanced modularization paradigms and techniques, which are not limited to aspects thus re-emphasizing the original intention to establish AOSD as a conference on advanced separation of concerns and software modularity for extensibility, flexibility, and adaptability.

Paper submission:

Authors can submit their paper at either 1st or 2nd round. The two rounds are independent but the accepted papers are presented together at the conference. If the paper is submitted at the 1st round and the review result is "resubmit after revision", the authors can resubmit the revised paper at the 2nd round with a letter to the reviewers. Then the same reviewers will review the revised paper again. AOSD 2011 adopts this procedure for motivating the acceptance of potentially good papers (but that need adjustments) rather than rejecting them straight away.

Research areas and topics of interest (not limited to):

Software engineering
- Requirements engineering
- Analysis and design modeling
- Domain engineering
- Software architectures
- Evaluation and metrics
- Modular Reasoning
- Testing and verification
- Interference and composition
- Traceability
- Software development methods
- Process and methodology definition
- Patterns

Programming languages
- Language design
- Compilation and interpretation
- Verification and static program analysis
- Formal languages and calculi
- Execution environments & dynamic weaving
- Dynamic and scripting languages
- Domain-specific languages

Related paradigms
- Context-orientation
- Feature-orientation
- Traits
- Model-driven development
- Generative programming
- Software product lines
- Meta-programming and reflection
- Contracts and components
- View-based development

Tool support
- Aspect mining
- Evolution and reverse engineering
- Crosscutting program views
- Refactoring

Applications
- Distributed/concurrent systems
- Middleware, services, and networking
- Pervasive computing
- Runtime verification
- Performance improvement

2011 highlights:
- Journal-like submission process
- Broad view on aspects as any mechanism for advanced modularity
- Special track on Modularity Visions
- Tutorials are back

Important dates

Research track

1st Round
Submission: July 1st, 2010
Notification: September 6th, 2010

2nd Round
Submission: October 1st, 2010
Notification: December 10th, 2010
Camera-ready: January 10th, 2011

Tutorials
Submission: November 1st, 2010
Notification: December 10h, 2010

Industry track
Abstract submission: October 4th, 2010
Submission: October 11th, 2010
Notification: December 10th, 2010
Camera-ready: January 13th, 2011

Workshops
Proposals submission: October 10th, 2010
Proposals notification: November 1st, 2010

Demos
Submission: December 20th, 2010
Notification: January 20th, 2011

AOSD 2011 Keynote Speakers
Mary Shaw, Carnegie Mellon University, USA
David Notkin, University of Washington, USA

Modularity Visions Invited Speakers
Gilad Bracha, SAP Labs
Jim Herbsleb, Carnegie Mellon University
André van der Hoek, University of California, Irvine

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