

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.

Related paradigms

Traits

Tool support

Applications

Aspect mining

Refactoring

Context-orientation

Feature-orientation

Model-driven development

Contracts and components

Crosscutting program views

Distributed/concurrent systems

Pervasive computing

Performance improvement

Runtime verification

Middleware, services, and networking

View-based development

Meta-programming and reflection

Evolution and reverse engineering

Generative programming

Software product lines

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

2011 highlights:

- Journal-like submission process
- Broad view on aspects as any mechanism for advanced modularity
- Special track on Modularity Visions
- Tutorials are back
- · AOSD most influential paper award

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

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