AOSD 2003

SIG**S**OFT

SIGPLAN

2nd International Conference on Aspect-Oriented Software Development
March 17 - 21, 2003, Boston, MA, USA
http://aosd.net/conference

Hosted by Northeastern University
In cooperation with ACM SIGPLAN and SIGSOFT

Aspect-oriented software development aims to provide means for systematic identification, modularization, and composition of crosscutting concerns. This second conference dedicated to AOSD is the premier forum for the dissemination and discussion of AOSD ideas, for both practitioners and researchers.

Keynotes
- Making the Code Look Like the Design, **Gregor Kiczales** *(University of British Columbia)*
- Aspects of Grid Computing, **Satoshi Matsuoka** *(Tokyo Institute of Technology)*

Tutorials

- Aspect-Oriented Programming with AspectJ, *E. Hilsdale*
- Advanced Aspect-Oriented Programming with AspectJ, *E. Hilsdale*
- JMangler: On-the-Fly Transformation of Java Class Files, *G. Kniesel, M. Austermann*
- Hyper/J: Multi-Dimensional Separation of Concerns for Java, *P. Tarr, H. Ossher, S. M. Sutton Jr.*
- Dynamic and Distributed Aspect-Oriented Programming with JAC, *R. Pawlak, L. Seinturier*
- Identifying and Modeling Aspects using Domain Analysis Techniques, *M. Aksit, L. Bergmans*
- Feature Oriented Programming for Product-Lines, *D. Batory*
- Aspect-Oriented Programming for Database Systems, *A. Rashid*
- Model-Driven Engineering with Contracts, Patterns, and Aspects, *J.-M. Jezequel*

Practitioner Reports

- Aspect Oriented Profiler, *J. Davies, N. Huismans, R. Slaney, S. Whiting, M. Webster, R. Berry*
- Using AspectJ to Eliminate Tangling Code in EAI Activities, *A. Schmidmeier*
- Applying AOP for Middleware Platform Independence, *R. Bodkin, A. Colyer, J. Hugunin*

Demonstrations

- Aspect-Oriented Software Development with Codagen Architect, *M. Cardinal*
- From Aspect-Oriented Design with Concepts to Aspect-Oriented Programming with Composition Filters, *L. Bergmans, D. Wagelaar*
- The AspectJ Development Tools Project - Developing with AspectJ in Eclipse, *A. Colyer, A. Clement, M. Webster*
- FEAT - A Tool for Locating, Describing, and Analyzing Concerns in Source Code, *M. Robillard, G. Murphy*
- Towards a Concern Manipulation Environment: An Open, Extensible Environment for Aspect Tools, *P. Tarr, W. Harrison, H. Ossher, V. Kruskal, A. Clement, A. Colyer*
- JMangler - Load-Time Weaving for Java Class Files, *G. Kniesel, M. Austermann*
- Aspect-Oriented Profiler, *M. Webster, R. Berry*
- AspectC++: Bringing Aspects in to Deeply Embedded Devices, *O. Spinczyk, A. Gal*

Technical Papers

Analysis and Design
- Architectural Views of Aspects, *M. Katara, S. Katz*
- Modularisation and Composition of Aspectual Requirements, *A. Rashid, A. Moreira, J. Araújo*
- JAsCo: An Aspect-Oriented Approach Tailored for Component Based Software Development, *D. Suvée, W. Vanderperren*

Program Analysis
- Static Analysis of Aspects, *D. Sereni, O. de Moor*
- A Case for Statically Executable Advice: Checking the Law of Demeter with AspectJ, *K. Lieberherr, D. H. Lorenz, P. Wu*
- Back to the Future: A Retroactive Study of Aspect Evolution in Operating System Code, *Y. Coady, G. Kiczales*

Programming Languages
- Arranging Language Features for Pattern-based Crosscuts, *K. Gybels, J. Brichau*
- Aspect-Oriented Programming with Jiazzi, *S. McDirmid, W. C. Hsieh*
- Parametric Introductions, *S. Hanenberg, R. Unland*
- Aspects and Polymorphism in AspectJ, *E. Ernst, D. H. Lorenz*
- Pointcuts and Advice in Higher-Order Languages, *D. B. Tucker, S. Krishnamurthi*
- Strategic Programming Meets Adaptive Programming, *R. Laemmel, E. Visser, J. Visser*

Dynamic Weaving
- Conquering Aspects With Caesar, *M. Mezini, K. Ostermann*
- Just in Time Aspects, *A. Popovici, G. Alonso, T. Gross*
- Web Cache Prefetching as an Aspect: Towards a Dynamic-Weaving Based Solution, *M. Segura-Devillechaise, J.-M. Menaud, G. Muller, J. L. Lawall*

Systems
- Persistence as an Aspect, *A. Rashid, R. Chitchyan*
- Quantifying Aspects in Middleware Platforms, *C. Zhang, H.-A. Jacobsen*
- Model-View-Controller and Object Teams: A Perfect Match of Paradigms, *M. Veit, S. Herrmann*

Tools
- Navigating and Querying Code Without Getting Lost, *D. Janzen, K. De Volder*
- Visual Separation of Concerns through Multidimensional Program Storage, *M. C. Chu-Carroll, J. Wright, A. T. T. Ying*