A Bibliography of Aspect-Oriented Software Development, Version 1.0

Robert E. Filman

RIACS Technical Report 02.06
August 2002
A bibliography of the literature related to Aspect-Oriented Software Development.

This work was supported in part by the National Aeronautics and Space Administration under Cooperative Agreement NCC 2-1006 with the Universities Space Research Association (USRA).

This report is available online at http://www.riacs.edu/trs/
A Bibliography of Aspect-Oriented Software Development
Version 1.0

Robert E. Filman
Research Institute for Advanced Computer Science
NASA Ames Research Center
Moffett Field, California
August 27, 2002

A bibliography of the literature related to Aspect-Oriented Programming.

My thanks to Karl Lieberherr and Mario Súdholt for their contributions.

This is meant to be an evolving document. Please send additions, corrections, comments and disagreements to the author at rfilman@mail.arc.nasa.gov.

References


[49] Ken Anderson. An example of using collaborator and adapters to reuse a synchronization pattern. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[64] Elisa L.A. Baniassad, Gail C. Murphy, and Christa Schwanninger. Determining the
“why” of concerns. In Workshop on Advanced Separation of Concerns in Software Engineering (ICSE 2001) [12].

[65] Elisa L.A. Baniassad, Gail C. Murphy, Christa Schwanninger, and Michael Kircher. Where are programmers faced with concerns? In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[86] Lodewijk Bergmans, Bedir Tekinerdoğan, Maurice Glandrup, and Mehmet Aksit. On
composing separated concerns: Composability and composition anomalies. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[93] Andrew P. Black and Mark P. Jones. Perspectives on software. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[104] Philippe Bouaziz and Lionel Sciuurier. From software parameterization to software profiling. In Workshop on Aspect-Oriented Programming and Separation of Concerns (Lancaster) [13].

[105] Noury Bouraâadi. Concern oriented programming using reflection. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].

[106] Noury M. N. Bouraâadi-Saâalâii and Thomas Ledoux. How to weave?. In Workshop on Advanced Separation of Concerns (ECOOP 2001) [10].

[107] Laurent Boussard. Towards a pragmatic composition model of CORBA services based on AspectJ. In Workshop on Aspects and Dimensions of Concerns (ECOOP 2000) [8].


[114] David Bruce and Nick Exon. Alternatives to aspect-oriented programming? In Workshop on Aspect-Oriented Programming and Separation of Concerns (Lancaster) [13].


[121] Sabine Cauditt and Manfred Gunter. Aspect-oriented logging in a real-world system. In First AOSD Workshop on Aspects, Components, and Patterns for Infrastructure Software (AOSD-2002) [14].


[125] Lee Carver. Using brackets to corral jumping aspects. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[150] Siobhán Clarke and John Murphy. Verifying components under development at the design stage: A tool to support the composition of component design models. In


[159] Yvonne Coady, Gregor Kiczales, and Michael Feeley. Exploring an aspect-oriented approach to operating system code. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[161] Yvonne Coady, Gregor Kiczales, Mike Feeley, Norm Hutchinson, and Joon Suan Ong. Structuring system aspects. In Workshop on Advanced Separation of Concerns in Software Engineering (ICSE 2001) [12].


[170] Constantinos A. Constantinides and Tzilla Elrad. On the requirements for concurrent software architectures to support advanced separation of concerns. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[202] Lutz Dominick. Instrumentation aspects require symmetric joins points. In Workshop on Aspects and Dimensions of Concerns (ECOOP 2000) [8].

[203] Lutz Dominick and Klaus Ostermann. Supporting extension of components with new paradigms. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[206] Rémi Douence, Olivier Motelet, and Mario Südholt. Sophisticated crosscuts for e-commerce. In Workshop on Advanced Separation of Concerns (ECOOP 2001) [10].


[208] Desmond D’Souza, Aamod Sane, and Alan Birchenough. First-class extensibility for UML—Packaging of profiles, stereotypes, patterns. In Workshop on Multi-Dimensional Separation of Concerns (OOPSLA 1999) [6].


[216] Erik Ernst. Syntax based modularization: Invasive or not? In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].

[217] Erik Ernst. Loosely coupled class families. In Workshop on Advanced Separation of Concerns (ECOOP 2001) [10].


[221] R. E. Filman and D. P. Friedman. Aspect-oriented programming is quantification and obliviousness. In Workshop on Advanced Separation of Concerns (OOPSLA 2006) [7].


[234] Marcus Fontura. Dimension templates: Multi-dimensional separation of concerns in UML. In Workshop on Multi-Dimensional Separation of Concerns (OOPSLA 1999) [6].

[235] Ira R. Forman. Superimposition: A form of separation of concerns for distributed systems. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[264] K. Gybels. Using a logic language to express cross-cutting through dynamic joinpoints. In Workshop Aspektorientierte Softwareentwicklung (Bonn) [18].


[266] S. Hanenberg. A proposal for classifying tangled code. In Workshop Aspektorientierte Softwareentwicklung (Bonn) [18].


[277] William Harrison, Peri Tarr, and Harold Ossher. A position on considerations in UML.
design of aspects. In Workshop on Aspect-Oriented Modeling with UML (AOSD-2002) [19].


[283] Steplan Herrmann. Composable designs with UFA. In Workshop on Aspect-Oriented Modeling with UML (AOSD-2002) [19].

[284] Steplan Herrmann and Mira Mezini. On the need for a unified MDSOC model: Experiences from constructing a modular software engineering environment. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[286] Steplan Herrmann and Mira Mezini. Combining composition styles in the evolvable language LAC. In Workshop on Advanced Separation of Concerns in Software Engineering (ICSE 2001) [12].


[288] R. Hirschfeld. Advice activation in aspects. In Workshop Aspektorientierte Softwareentwicklung (Bonn) [18].


[291] Wai-Ming Ho, Francois Pennanen, Jean-Marc Jézéquel, and Noël Plouzeau. Aspect-oriented design with the UML. In Workshop on Multi-Dimensional Separation of Concerns in Software Engineering (ICSE 2000) [9].


[297] Jie Huang. Experience using AspectJ to implementation cord. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[302] H.-Ano Jacobsen. Middleware architecture design based on aspects, the open implementation metaphor and modularity. In Workshop on Aspect-Oriented Programming and Separation of Concerns (Lancaster) [13].


[305] R. K. Joshi and N. Agrawal. AspectJ implementation of dynamically pluggable filter objects in distributed environment. In Workshop Aspektorientierte Softwareentwicklung (Bonn) [18].


[316] P. Kellomäki. Formal aspects for distributed systems. In Workshop Aspektorientierte Softwareentwicklung (Bonn) [18].


[333] Howard Kim and Siobhán Clarke. The relevance of AOP to an applications programmer in an EJB environment. In First AOSD Workshop on Aspects, Components, and Patterns for Infrastructure Software (AOSD-2002) [14].


[335] Tomoji Kishi and Natsuko Noda. Aspect-oriented analysis for product line architecture. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[344] Ivan Kurtev. Transformation of XML concerns into applications using AOP-techniques. In Modular Representation and Interpretation of Concerns in XML (AOSD-2002) [16].


[382] Tom Mahieu, Bart Vanhaeze, Karel De Vlamincx, Gerda Janssens, and Wouter Jocsen. Using AOP to build complex data-centric component frameworks. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[389] Juri Memmert. Application development in Java: From OOP to SOP. In Workshop on Multi-Dimensional Separation of Concerns in Software Engineering (ICSE 2000) [9].


22


[486] A.M. Reina and J. Torres. Analysing the navigational aspect. In Workshop Aspektorientierte Softwareentwicklung (Bonn) [18].


[488] Søren Top, Bo Jørgensen, Claus Thybo, and Peter Thussgaard. Meta-level architectures for fault tolerant control (FTC) in embedded software systems. In Workshop on Advanced Separation of Concerns (ECOOP 2001) [10].


[490] Bert Robben and Patrick Steyaert. Aspects on TV. In Workshop on Aspects and Dimensions of Concerns (ECOOP 2000) [8].

[491] Martin P. Robillard and Gail C. Murphy. Migrating a static analysis tool to AspectJ. In Workshop on Multi-Dimensional Separation of Concerns (OOPSLA 1999) [6].


of abstract syntax trees. In Workshop Aspekterorientierte Softwareentwicklung (Bonn) [18].


[506] Mario Schipany, Christa Schwanninger, and Egon Wuchter. Aspect-oriented programming for .NET. In First AOSD Workshop on Aspects, Components, and Patterns for Infrastructure Software (AOSD-2002) [14].


[517] Ian Simmonds. Clues in the search for even more valuable separations of concern. In Workshop on Multi-Dimensional Separation of Concerns in Software Engineering (ICSE 2000) [9].

[518] Ian Simmonds and David Ing. Clues in the search for even more valuable separations of concern. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[524] A. Speck, M. Clauss, and B. Franczyk. Concerns of variability in bottom-up product lines. In Workshop Aspekterorientierte Softwareentwicklung (Bonn) [18].


[536] Stanley M. Sutton Jr. Multiple dimensions of concern in software testing. In Workshop on Multi-Dimensional Separation of Concerns (OOPSLA 1999) [6].

[537] Stanley M. Sutton Jr. and Isabelle Rouvellou. Concerns in the design of a software cache. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[561] David Ungar. The limits to factoring. In Workshop on Multi-Dimensional Separation of Concerns (OOPSLA 1999) [6].


[566] Bart Vanhaute, Bart De Win, and Bart De Decker. Building frameworks in AspectJ. In Workshop on Advanced Separation of Concerns (ECOOP 2001) [10].


[570] D. Vollmann. Visibility of join-points in AOP and implementation languages. In Workshop Aspektorientierte Softwareentwicklung (Bonn) [18].


[577] Hans Wegener and Ahmed Rida. Reengineering of metalevel abstractions with data mining methods. In Workshop on Advanced Separation of Concerns (OOPSLA 2000) [7].


[581] Ian S. Welch, Robert J. Stroud, and Alexander Romanovsky. Aspects of exceptions at the meta-level. In Workshop on Aspect-Oriented Programming and Separation of Concerns (Lancaster) [13].


