



FOAL 2010 Proceedings

Proceedings of the Ninth Workshop on Foundations of Aspect-Oriented Languages

held at the
Ninth International Conference on
Aspect-Oriented Software Development

March 15, Rennes, France

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Contents

Preface	ii
Message from the Program Committee Chair	iii
<i>Klaus Ostermann—Philipps-Universität Marburg, Germany</i>	
StrongRelaxAJ: integrating adaptability of RelaxAJ and expressiveness of StrongAspectJ	1
<i>Tomoyuki Aotani—University of Tokyo, Japan</i>	
<i>Manabu Toyama—University of Tokyo, Japan</i>	
<i>Hidehiko Masuhara—University of Tokyo, Japan</i>	
Translucid Contracts for Aspect-oriented Interfaces	5
<i>Mehdi Bagherzadeh—Iowa State University, USA</i>	
<i>Hridesh Rajan—Iowa State University, USA</i>	
<i>Gary T. Leavens—University of Central Florida, USA</i>	
A Smooth Combination of Role-based Language and Context Activation	15
<i>Tetsuo Kamina—University of Tokyo, Japan</i>	
<i>Tetsuo Tamai—University of Tokyo, Japan</i>	
Towards An Open Trace-Based Mechanism	25
<i>Paul Leger—University of Chile, Chile</i>	
<i>Eric Tanter—University of Chile, Chile</i>	
Specifying and Exploiting Advice-Execution Ordering using Dependency State Machines	31
<i>Eric Bodden—Center for Advanced Security Research, Darmstadt, Germany</i>	
Semantic Aspect Interactions and Possibly Shared Join Points	43
<i>Emilia Katz—Technion—Israel Institute of Technology, Israel</i>	
<i>Shmuel Katz—Technion—Israel Institute of Technology, Israel</i>	
Rewriting Logic Model of Compositional Abstraction of Aspect-Oriented Software	53
<i>Yasuyuki Tahara—University of Electro-Communications, Japan</i>	
<i>Akihiko Ohsuga—University of Electro-Communications, Japan</i>	
<i>Shinichi Honiden—National Insitute of Informatics and Univ. of Tokyo, Japan</i>	
Modeling Aspects by Category Theory	63
<i>Serge P. Kovalyov—Institute of Computational Technologies, Russia</i>	

Preface

Aspect-oriented programming is a paradigm in software engineering and programming languages that promises better support for separation of concerns. The Ninth Foundations of Aspect-Oriented Languages (FOAL) workshop was held at the Ninth International Conference on Aspect-Oriented Software Development in Rennes, France, on March 15, 2010. This workshop was designed to be a forum for research in formal foundations of aspect-oriented programming languages. The call for papers announced the areas of interest for FOAL as including: semantics of aspect-oriented languages, specification and verification for such languages, type systems, static analysis, theory of testing, theory of aspect composition, and theory of aspect translation (compilation) and rewriting. The call for papers welcomed all theoretical and foundational studies of foundations of aspect-oriented languages.

The goals of this FOAL workshop were to:

- Make progress on the foundations of aspect-oriented programming languages.
- Exchange ideas about semantics and formal methods for aspect-oriented programming languages.
- Foster interest within the programming language theory and types communities in aspect-oriented programming languages.
- Foster interest within the formal methods community in aspect-oriented programming and the problems of reasoning about aspect-oriented programs.

The workshop was organized by Shmuel Katz (Technion–Israel Institute of Technology, Israel), Gary T. Leavens (University of Central Florida, USA), and Mira Mezini (Darmstadt University of Technology, Germany). We are very grateful to the program committee, which was chaired very ably by Klaus Ostermann.

We thank the organizers of AOSD 2010 for hosting the workshop.



FOAL logos courtesy of Luca Cardelli

Message from the Program Committee Chair

The ninth FOAL workshop continues to be one of the primary forums for foundational work on aspect-oriented software development. As in the past, each paper was subjected to full review by at least three reviewers. I am grateful to the program committee members for their dedication, insightful comments, attention to detail, and the service they provided to the community and the individual authors.

The members of the program committee were:

- Klaus Ostermann (Program Committee Chair, Philipps-Universität Marburg, Germany)
- Sven Apel (University of Passau),
- Eric Bodden (T.U. Darmstadt),
- Erik Ernst (University of Aarhus),
- David Lorenz (The Open University of Israel),
- Hidehiko Masuhara (University of Tokyo),
- Hridesh Rajan (Iowa State University),
- James Riely (DePaul University),
- Eric Tanter (University of Chile),
- Elena Zucca (University of Genoa)

The sub-reviewers, whom I also thank, were: Eugenio Moggi and Marko Rosenmueller.

I am also grateful to the authors of submitted works. Ten papers were submitted for review this year. Of these, the program committee selected nine for presentation at the workshop and publication in the proceedings, but one paper was later withdrawn, as the authors could not attend the workshop.

The program was rounded out with a discussion section.

Finally, I would like to thank the other members of the organizing committee of FOAL—Shmuel Katz, Gary T. Leavens, and Mira Mezini— for their work in guiding us toward another inspiring workshop.

Klaus Ostermann
FOAL '10 Program Committee Chair
Philipps-Universität Marburg, Germany

