



FOAL 2011 Proceedings

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

held at the
International Conference on
Aspect-Oriented Software Development

March 21, Porto de Galinhas, Pernambuco, Brazil

Gary T. Leavens, Shmuel Katz, and Hidehiko Masuhara (editors)

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Preface

Aspect-oriented programming is a paradigm in software engineering and programming languages that promises better support for separation of concerns. The Tenth Foundations of Aspect-Oriented Languages (FOAL) workshop was held at the Tenth International Conference on Aspect-Oriented Software Development in Porto de Galinhas, Pernambuco, Brazil, on March 21, 2011. 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 Gary T. Leavens (University of Central Florida, USA), Shmuel Katz (Technion–Israel Institute of Technology, Israel), and Hidehiko Masuhara (University of Tokyo, Japan). We are very grateful to the program committee, which was chaired very ably by Hridesh Rajan.

We thank the organizers of AOSD 2011 for hosting the workshop.



FOAL logos courtesy of Luca Cardelli

Message from the Program Committee Chair

The FOAL workshop in its tenth edition continues to attract foundational work on aspect-oriented software development. As in previous years, we were pleased to assemble yet another outstanding program committee for FOAL 2011.

The members of the program committee were:

- Hridesh Rajan — Program Committee Chair, Iowa State University, USA
- Werner M. Dietl — University of Washington
- Juergen Dingel — Queen's University
- Erik Ernst — University of Aarhus
- David Garlan — Carnegie Mellon University
- Atsushi Igarashi — Kyoto University
- Radha Jagadeesan — DePaul University
- Oscar Nierstrasz — University of Berne
- Bruno C. d. S. Oliveira — Seoul National University
- Jeremy Siek — University of Colorado, Boulder
- Neelam Soundarajan — Ohio State University
- Mario Südholt — École des Mines de Nantes
- Mitch Wand — Northeastern University

As in the past, each paper was subjected to full review by at least three reviewers between Jan. 21 and Jan. 31, 2011. Given the short turnaround time the FOAL 2011 program committee members worked really hard and provided authors with excellent and detailed reviews. 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.

I am also grateful to the authors of submitted works. Without these excellent submissions, a successful FOAL workshop may not be realized.

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

Hridesh Rajan
FOAL '11 Program Committee Chair
Iowa State University, USA

