

FOAL 2002 Proceedings
Foundations of Aspect-Oriented Languages
Workshop at AOSD 2002

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Preface

Aspect-oriented programming is a new area in software engineering and programming languages that promises better support for separation of concerns. The first Foundations of Aspect-Oriented Languages (FOAL) workshop was held at the 1st International Conference on Aspect-Oriented Software Development in Enschede, The Netherlands, on April 22, 2002. 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, but not limited to: formal semantics, formal specification, verification, theory of testing, aspect management, theory of aspect composition, and aspect translation and rewriting. The call for papers welcomed all theoretical and foundational studies of this topic.

The goals of this FOAL workshop were to:

- Explore the formal foundations of aspect-oriented programming.
- Exchange ideas about semantics and formal methods for aspect-oriented programming languages.
- Foster interest in the programming language theory communities concerning aspects and aspect-oriented programming languages.
- Foster interest in the formal methods community concerning aspects and aspect-oriented programming.

In addition, we hoped that the workshop would produce an outline of collaborative research topics and a list of areas for further exploration.

The papers at the workshop, which are included in the proceedings, were selected from papers submitted by researchers worldwide. Due to time limitations at the workshop, not all of the submitted papers were selected for presentation.

The workshop was organized by Ron Cytron (Washington University, St. Louis) and Gary T. Leavens (Iowa State University). The program committee that selected papers consisted of the organizers and James H. Andrews (U. Western Ontario), William Harrison (IBM T. J. Watson Research Center), K. Rustan M. Leino (Microsoft Research), Oscar Nierstrasz (U. of Berne), Wolfgang De Meuter (Vrije Universiteit Brussels), Jens Palsberg (Purdue Univ.), Kris De Volder (U. of British Columbia), and Mitch Wand (Northeastern University). We thank the organizers of AOSD 2002 for hosting the workshop.