Contents

Preface ......................................................... ii

Message from the Program Committee Chair ........................................ iii

Mario S"udholt—École des Mines de Nantes, France

A Type System for Functional Traversal-Based Aspects ..................... 1

Bryan Chadwick—Northeastern University, USA
Karl Lieberherr—Northeastern University, USA

Modular Verification of Strongly Invasive Aspects .............................. 7

Emilia Katz—Technion–Israel Institute of Technology, Israel
Shmuel Katz—Technion–Israel Institute of Technology, Israel

Unweaving the Impact of Aspect Changes in AspectJ ......................... 17

Luca Cavallaro—Politecnico di Milano, Italy
Mattia Monga—Politecnico di Milano, Italy

Enhancing Base-code Protection in Aspect-Oriented Programs ............... 23

Mohamed ElBendary—University of Wisconsin Milwaukee, USA
John Boyland—University of Wisconsin Milwaukee, USA

A Machine-Checked Model of Safe Composition ............................... 29

Benjamin Delaware—University of Texas at Austin, USA
William R. Cook—University of Texas at Austin, USA
Don Batory—University of Texas at Austin, USA

Demonstration: Graph-Based Specification and Simulation of Featherweight Java with Around Advice ................................. 39

Tom Staijen—University of Twente, Netherlands
Arend Rensink—University of Twente, Netherlands