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Editorial

Welcome to the second volume of Transactions on Aspect-Oriented Software Development. The successful launch of the journal and publication of its first volume in March 2006 has been followed by a steady stream of submissions as well as several special issue proposals on topics ranging from Early Aspects and aspect interactions through to aspect-oriented programming and middleware technologies. This volume comprises two regular papers and six papers constituting a special section on AOP Systems, Software and Middleware.

The first article "On Horizontal Specification Architectures and Their Aspect-Oriented Implementations" by Aaltonen, Katara, Kurki-Suonio and Mikkonen proposes the use of horizontal architectures to improve alignment between system requirements and aspect-oriented implementations realizing those requirements. The authors' approach builds on their earlier work on the DisCO method which utilizes the notion of *superpositions* as a basis of aspect composition. The second article "A Framework for Policy Driven Auto-Adaptive Systems Using Dynamic Framed Aspects" by Greenwood and Blair synthesizes techniques such as event–condition–action rules and parameterization with dynamic AOP to develop reusable aspects that can be woven at run time. The goal of the authors' work is to support auto-adaptive behaviour using such reusable aspects. They present performance measurements as well as metrics-based evaluation of their approach in this context.

The remaining six papers focus on various topics in AOP systems, software and middleware. The guest editors, Yvonne Coady, Hans-Arno Jacobsen and Mario Südholt, provide an introduction to these in their editorial.

We wish to thank the editorial board for their continued guidance, commitment and input on the policies of the journal, the choice of special issues as well as associate-editorship of submitted articles. We also thank the guest editors, Yvonne Coady, Hans-Arno Jacobsen and Mario Südholt, for putting together the special section on AOP systems, software and middleware. Thanks are also due to the reviewers who volunteered time from their busy schedules to help realize this volume. Most importantly, we wish to thank the authors who have submitted papers to the journal so far, for their contributions maintain the high quality of Transactions on AOSD.

The journal is committed to publishing work of the highest standard on all facets of aspect-oriented software development techniques in the context of all phases of the software life cycle, from requirements and design to implementation, maintenance and evolution. The call for papers is open indefinitely and potential authors can submit papers at any time to: taosd-submission@comp.lancs.ac.uk. Detailed submission instructions are available at: http://www.springer.com/sgw/cda/frontpage/0,,3-164-2-109318-0,00.html. Two more special issues on current important topics, "Early Aspects" and "Aspects, Dependencies and Interactions", are in preparation. Calls for such special issues are publicized on relevant Internet mailing lists, Web sites as well as conferences such as the Aspect-Oriented

Software Development conference. We look forward to further high-quality submissions from prospective authors and their publication in future volumes of Transactions on AOSD.

Awais Rashid and Mehmet Aksit
Co-editors-in-chief

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