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First DASMODO Workshop on
Verification of Adaptive Systems
(VerAS)

September 14th, Kaiserslautern, Germany

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Preface

This technical report contains the preliminary versions of the regular papers presented at the first workshop on Verification of Adaptive Systems (VerAS) that has been held in Kaiserslautern, Germany, on September 14th, 2007 as part of the 20th International Conference on Theorem Proving in Higher Order Logics. The final versions will be published with Elsevier's Electronic Notes on Theoretical Computer Science (ENTCS).

VerAS is the first workshop that aims at considering adaptation as a cross-cutting system aspect that needs to be explicitly addressed in system design and verification. The program committee called for original submissions on formal modeling, specification, verification, and implementation of adaptive systems. There were six submissions from different countries of Europe. Each submission has been reviewed by three programme committee members. Finally, the programme committee decided to accept three of the six submissions. Besides the presentations of the regular papers, the workshop's programme included a tutorial on the 'Compositional Verification of Self-Optimizing Mechatronic Systems' held by Holger Giese (University of Paderborn, Germany) as well as three presentations of DASMODO projects on the verification of adaptive systems.

DASMODO is a Cluster of Excellence that is funded by the Government of Rhineland-Palatinate whose general aim is to further integrate software system engineering, mathematical modeling, and simulation and to provide the foundation for understanding and constructing the future generation of adaptive systems. DASMODO was the main sponsor of the VerAS workshop.

Kaiserslautern, Germany, September 2007
Arnd Poetzsch-Heffter and Klaus Schneider
(Workshop Organizers)

Programme Committee

Betty Cheng, Michigan State University, USA
Mike Gordon, University of Cambridge, UK
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Wolfgang Reif, University of Augsburg, Germany
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