Message from the Organizers

Welcome to the Fifth edition of the International Workshop on Model-based Methodologies for Pervasive and Embedded Software (MOMPES 2008). This event is organized within the 11th European Joint Conferences on Theory and Practice of Software (ETAPS 2008) and takes place in the beautiful city of Budapest, capital of Hungary.

This second collocation within ETAPS (after the first one in ETAPS 2007 in Braga, Portugal) follows the previous successful experiences in collocating the workshop within the International Conference on Application of Concurrency to System Design (ACSD 2004 in Hamilton, Ontario, Canada & ACSD 2005 in Rennes, France) and the IEEE International Conference on the Engineering of Computer Based Systems (ECBS 2006 in Potsdam, Germany). These different collocations allow the discussion of the topics addressed by the workshop within distinct research communities. The broad scope of the MOMPES series of workshops permits different perspectives, cultures, and approaches—both practical and theoretical—from different knowledge areas to be combined, discussed and reported. This was one of the original main objectives of the MOMPES workshops.

The technical programme of the conference consists of two kinds of contributions: an invited talk and regular papers. Our distinguished invited speaker comes from academia and her talk will address the development of ultra-large scale systems and how modelling can aid this challenge. The regular papers provide a balance of theoretical contributions and practical applications in a variety of relevant areas, showing benefits of using model-based approaches in the pervasive and embedded fields.

The number of submissions to MOMPES 2008 was 14 papers. The members of the programme committee reviewed the papers. Each paper was reviewed by at least 3 different reviewers. After careful analysis a total of 8 regular papers were accepted.

We are grateful to Mr. Bob Werner from the IEEE Computer Society for collecting the final versions of the accepted papers and preparing the proceedings. We also acknowledge the IEEE Computer Society Press (Los Alamitos, California, USA) for publishing the proceedings of MOMPES 2008, and the ETAPS organisers for their cooperation in the collocation of the workshop within the ETAPS 2008 conferences.

We thank all the authors of submitted papers for their contributions, programme committee members and other reviewers for selecting an excellent programme, and all participants in the workshop. This workshop has been supported by the Universidade do Minho (UMinho), the Universidade Federal do Rio Grande do Sul (UFRGS), and Carnegie Mellon’s Software Engineering Institute (SEI CMU). We would like to thank also IFIP WG 10.2 (Embedded Systems), and in particular the chair Wayne Wolf, for establishing a technical co-sponsorship with MOMPES 2008.

We expect that a selection of the papers included in this proceedings will be considered for publication, in extended and revised form, in a special issue of the Springer’s journal Innovations in Systems and Software Engineering.

We hope you will enjoy the MOMPES 2008.

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MOMPES 2008 Organizers