Foreword

Welcome to the Ninth International Conference on Application of Concurrency to System Design, ACSD 2009. This is the first time ACSD has been held in Germany; it will be held in Augsburg, the 2000-year-old city known for Jakob Fugger (1459-1525), one of the richest men in history.

As it always has, ACSD provides a forum for disseminating theoretical results and advanced methods and tools for the design of complex concurrent systems. The main aim of the conference is to bring theory and practice closer by informing practitioners of the latest theoretical results and challenging theoreticians with complex industrial problems. It therefore welcomes both academic and industrial participants.

ACSD 2009 attracted 31 submissions from 10 different countries across three continents. Each paper was reviewed by four members of the programme committee; 18 submissions (including two tool papers) were accepted for presentation at the conference and publication in the proceedings. Authors will present the tool papers briefly (15 minutes each) and will demonstrate the accompanying tools in a special session. Other tools not appearing in the proceedings will also be presented during this session.

We will hear three leading researchers present invited lectures on hot topics: Steve Furber will address his latest project, “Spinnaker,” an attempt to build a new kind of computer that directly mimics the workings of the human brain by a parallel computer system with more than a million embedded processors; Gerhard Schellhorn will speak on the formal verification of concurrent algorithms; and Yosinori Watanabe will talk about methodology and automation for embedded system design, specifically the verification of interacting architectural components.

We would like to thank Augsburg University for supporting the conference and the organizing committee for making this conference possible. We are grateful to IEEE publishing services for preparing the proceedings and to the members of development team of the EasyChair conference management system, who provided invaluable support. We thank the authors, members of the programme and steering committees, and all the reviewers for their valuable contributions to the conference programme.

We wish you a very productive and enjoyable conference. Our goal was to compose an interesting and stimulating programme; we hope you find the presentations and the proceedings useful for your work.

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