Preface

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Table of Contents

• Preface	iii
• Committee	v
• Sponsors.....	vii
• Full Papers	
• A Framework for Dynamic Parallelization of FPGA-Accelerated Applications	1
<i>Jeremy Fowers, Jianye Liu, and Greg Stitt</i>	
• Single-Rate Approximations of Cyclo-Static Synchronous Dataflow Graphs	11
<i>Robert de Groote, Philip K.F. Hölzenspies, Jan Kuper, and Gerard J.M. Smit</i>	
• Temporal Analysis Model Extraction for Optimizing Modal Multi-Rate Stream Processing Applications ..	21
<i>Stefan Geuns, Joost Hausmans, and Marco Bekooij</i>	
• Software code generation for dynamic dataflow programs	31
<i>Gustav Cedersjö, and Jorn Janneck</i>	
• Fast and Efficient Dataflow Graph Generation	40
<i>Bruno Bodin, Youen Lesparre, Jean-Marc Delosme, and Alix Munier</i>	
• Optimal General Offset Assignment	50
<i>Sven Mallach, Roberto Castañeda Lozano</i>	
• A Lightweight Incremental Analysis and Profiling for Embedded Devices	60
<i>Sara Elshobaky, Ahmed El-Mahdy, Erven Rohou, and Layla A.A. El-Sayed</i>	
• Exploiting Critical Data Regions to Reduce Data Cache Energy Consumption	69
<i>Ananda Vardhan Kommaraju, and Yn Srikant</i>	
• Energy-aware parallelization toolset and flow for C code	79
<i>Mihai Teodor Lazarescu, Albert Cohen, Luciano Lavagno, Antoniu Pop, Manuel Prieto, Andrei Terechko, and Alexandru Sutii</i>	
• Improving ESL Power Models using Switching Activity Information from Timed Functional Models	89
<i>Stefan Schürmans, Diandian Zhang, Rainer Leupers, Gerd Ascheid, and Xiaotao Chen</i>	
• Minimizing the Cost of Synchronisations in the WCET of Real-Time Parallel Programs	98
<i>Haluk Ozaktas, Christine Rochange, and Pascal Sainrat</i>	
• Temporal Analysis Flow Based on an Enabling Rate Characterization for Multi-Rate Applications Executed on MPSoCs with Non-Starvation-Free Schedulers	108
<i>Joost Hausmans, Stefan Geuns, Maarten Wiggers, and Marco Bekooij</i>	
• A Parallel Action Language for Embedded Applications and its Compilation Flow	118
<i>Ivan Llopard, Albert Cohen, Christian Fabre, and Nicolas Hili</i>	
• A Verified Transformation: from Polychronous Programs to a Variant of Clocked Guarded Actions	128
<i>Zhibin Yang, Jean-Paul Bodeveix, Mamoun Filali, Kai Hu, and Dianfu Ma</i>	
• Research Presentations	
• A Parallelizing Compiler for Multicore Systems	138
<i>José M. Andión, Manuel Arenaz, Gabriel Rodríguez, and Juan Touriño</i>	

Preface

Dear Colleague,

Welcome to Sankt Goar and the SCOPES workshop. This year we are presenting a workshop program that features many interesting talks on all aspects related to the design of modern embedded systems. I hope that you will find our program interesting, stimulating and exciting.

The influence of embedded systems is constantly growing. Increasingly powerful and versatile devices are developed and put on the market at a fast pace. Their functionality and number of features is increasing, and so are the constraints on the systems concerning size, performance, energy dissipation and timing predictability. To meet all these constraints, multi-processor systems on a chip (MPSoCs) are becoming popular in embedded systems. In order to meet the performance and energy constraints of embedded applications, heterogeneous architectures incorporating functional units optimized for specific functions are commonly employed. This technological trend has dramatic consequences on the parallelization, mapping, compiler and design technology used to develop these systems. The SCOPES workshop focuses on the software generation process for these modern embedded systems. Topics of interest include all aspects of the compilation and mapping process of embedded single and multi-processor systems.

SCOPES received a total of 31 papers coming from many different countries in Europe, North-America, Asia, Middle-East, Africa, and Australia. Each paper has been reviewed by at least three independent reviewers to ensure the quality of the workshop. Each reviewer provided a score together with detailed comments and suggestions on how to improve the overall quality of each paper. After an on-line meeting, the program committee has decided to accept 16 papers out of these 31 submissions. This gives an acceptance rate of 52% which is similar to earlier editions of the SCOPES workshop. It also reflects our commitment to only select high quality papers for presentation at our workshop.

In addition to the research papers, the workshop features also 2 research presentations. The idea of research presentations was previously used at the Map2MPSoC workshop. After the merger of SCOPES and Map2MPSoC this idea has been continued in the SCOPES workshop program. Research presentations show research results relevant to the topics addressed by the workshop. These presentations may be based on on-going work or research results that have previously been presented in other forums. Research presentations may include a short publication in the SCOPES proceedings. Therefore all submitted presentations have undergone a light review.

In conclusion, I would like to thank the members of the program committee and the external reviewers for their contribution to the quality of this workshop. I would also like to thank all authors for choosing SCOPES as the workshop where to report your research and your contributions to the scientific community. Finally, I would like to thank our sponsors for their support to SCOPES 2014. I wish all of you a fruitful conference and a pleasant stay in Sankt Goar.

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