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# Beyond Loop Level Parallelism in OpenMP: Accelerators, Tasking and More

6th International Workshop on OpenMP, IWOMP 2010  
Tsukuba, Japan, June 14-16, 2010  
Proceedings

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# Preface

This book contains the proceedings of the 6th International Workshop on OpenMP held in Tsukuba City, Japan, in June 2010. The International Workshop on OpenMP is an annual series of workshops dedicated to the promotion and advancement of all aspects focusing on parallel programming with OpenMP.

OpenMP is now a major programming model for shared memory systems from multi-core machines to large-scale servers. Recently, new ideas and challenges have been proposed to extend OpenMP framework to support accelerators and also to exploit other forms of parallelism beyond loop-level parallelism.

The workshop serves as a forum to present the latest research ideas and results related to this shared memory programming model. It also offers the opportunity to interact with OpenMP users, developers and the people working on the next release of the specification.

In response to the Call-for-Papers for the technical program, the Program Committee received a total of 23 submissions from all over the world including Asia, USA and Europe, and all submissions were carefully refereed in a rigorous process which required at least three reviews for each paper, using the EasyChair conference system. The final decisions were collectively made in March 2010. Due to time and space limitations for the workshop and proceedings, only 13 papers could be selected for presentation and inclusion in the proceedings. We believe we have chosen a diverse, high-quality set of papers, reflecting a stimulating and enjoyable workshop.

Finally, we would like to thank all authors, referees, and committee members for their outstanding contributions which have ensured a continuation of the high quality of IWOMP workshops.

June 2010

Mitsuhisa Sato  
Toshihiro Hanawa  
Matthias Müller  
Barbara Chapman  
Bronis R. de Supinski



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# Table of Contents

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## Sixth International Workshop on OpenMP IWOMP 2010

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---

### Runtime and Optimization

---

Enabling Low-Overhead Hybrid MPI/OpenMP Parallelism with MPC . . . . .	1
<i>Patrick Carribault, Marc Pérache, and Hervé Jourden</i>	
A ROSE-Based OpenMP 3.0 Research Compiler Supporting Multiple Runtime Libraries . . . . .	15
<i>Chunhua Liao, Daniel J. Quinlan, Thomas Panas, and Bronis R. de Supinski</i>	
Binding Nested OpenMP Programs on Hierarchical Memory Architectures . . . . .	29
<i>Dirk Schmidl, Christian Terboven, Dieter an Mey, and Martin Bucker</i>	

---

### Proposed Extensions to OpenMP

---

A Proposal for User-Defined Reductions in OpenMP . . . . .	43
<i>Alejandro Duran, Roger Ferrer, Michael Klemm, Bronis R. de Supinski, and Eduard Ayguadé</i>	
An Extension to Improve OpenMP Tasking Control . . . . .	56
<i>Eduard Ayguadé, James Beyer, Alejandro Duran, Roger Ferrer, Grant Haab, Kelvin Li, and Federico Massaioli</i>	
Towards an Error Model for OpenMP . . . . .	70
<i>Michael Wong, Michael Klemm, Alejandro Duran, Tim Mattson, Grant Haab, Bronis R. de Supinski, and Andrey Churbanov</i>	

---

### Scheduling and Performance

---

How OpenMP Applications Get More Benefit from Many-Core Era . . . . .	83
<i>Jianian Yan, Jiangzhou He, Wentao Han, Wenguang Chen, and Weimin Zheng</i>	

Topology-Aware OpenMP Process Scheduling .....	96
<i>Peter Thoman, Hans Moritsch, and Thomas Fahringer</i>	
How to Reconcile Event-Based Performance Analysis with Tasking in OpenMP .....	109
<i>Daniel Lorenz, Bernd Mohr, Christian Rössel, Dirk Schmidl, and Felix Wolf</i>	
Fuzzy Application Parallelization Using OpenMP .....	122
<i>Chantana Chantrapornchai (Phongpensri) and J. Pipatpaisan</i>	

---

## Hybrid Programming and Accelerators with OpenMP

---

Hybrid Parallel Programming on SMP Clusters using XPFortran and OpenMP .....	133
<i>Yuanyuan Zhang, Hidetoshi Iwashita, Kuninori Ishii, Masanori Kaneko, Tomotake Nakamura, and Kohichiro Hotta</i>	
A Case for Including Transactions in OpenMP .....	149
<i>Michael Wong, Barna L. Bihari, Bronis R. de Supinski, Peng Wu, Maged Michael, Yan Liu, and Wang Chen</i>	
OMPCUDA : OpenMP Execution Framework for CUDA Based on Omni OpenMP Compiler .....	161
<i>Satoshi Ohshima, Shoichi Hirasawa, and Hiroki Honda</i>	
<b>Author Index</b> .....	175