

IWOMP 2010

6th International Workshop on OpenMP

June 14-16, Tsukuba International Congress Center, Tsukuba, Japan

Final Program

Monday, June 14

(Room 405)

13:00-13:30	Registration
	Tutorial Speaker: Ruud van der Pas (Oracle)
13:30-14:30	Tutorial 1: Basic Concepts in Parallelization
14:30-15:30	Tutorial 2: Getting Started with OpenMP
15:30-16:00	Break
16:00-17:00	Tutorial 3: Using OpenMP
17:00-18:00	Tutorial 4: OpenMP and Performance
18:30-	Reception at Restaurant Espoir (on 1st Floor in Congress Center)

Tuesday, June 15

(Room 406 for the main part, Room 405 for Poster and Break)

9:00-9:30	Registration
9:30-9:45	Opening remarks
9:45-10:35	Keynote (Chair: Mitsuhsa Sato) <i>Building the Next Generation of Parallel Applications</i> Michael A Heroux (Sandia National Lab.)
10:35-11:00	Break
11:00-12:30	Session 1: Runtime and Optimization (Chair: Matthias S. Müller) <i>Enabling Low-Overhead Hybrid MPI/OpenMP Parallelism with MPC</i> Patrick Carribault, Marc Pérache and Hervé Jourden

	<i>A ROSE-based OpenMP 3.0 Research Compiler Supporting Multiple Runtime Libraries</i> Chunhua Liao, Daniel J. Quinlan, Thomas Panas and Bronis R. de Supinski <i>Binding Nested OpenMP Programs on Hierarchical Memory Architectures</i> Dirk Schmidl, Christian Terboven, Dieter an Mey and Martin Bucker
12:30-14:00	Lunch
14:00-16:00	Session 2: Scheduling and Performance (Chair: Alistair Rendell) <i>SWOMPS: A System-Wide OpenMP Scheduler for Many-core Processors</i> Jianian Yan, Jiangzhou He, Wentao Han, Wenguang Chen and Weimin Zheng <i>Topology-aware OpenMP Process Scheduling</i> Peter Thoman, Hans Moritsch and Thomas Fahringer <i>How to reconcile event-based performance analysis with tasking in OpenMP</i> Daniel Lorenz, Bernd Mohr, Christian Rössel, Dirk Schmidl and Felix Wolf <i>Fuzzy Application Parallelization Using OpenMP</i> Chantana Chantrapornchai (Phongpensri), J. Pipatpaisan
16:00-16:30	Break
16:30-18:00	Poster indexing (Room 406) & Poster session (Room 405) (Chair: Toshihiro Hanawa) <i>Towards A Quasi High Level Compiler Comparative and Attributive Model for OpenMP Programs</i> Mohammed Mokbel, Robert Kent, and Michael Wong <i>Flexible Fine Grain Threads Management By StackThreads/Mp Library for OpenMP Task Implementation</i> Adnan and Mitsuhsa Sato <i>A Stream-Computing Extension to OpenMP</i> Antoni Pop and Albert Cohen <i>Current and Future OpenMP Application Benchmarks by SPEC HPG</i> SPEC High-Performance Group
18:30-	Banquet at Sansui-Tei <i>(shuttle service in front of Congress Center)</i>

Wednesday, June 16

(Room 406 for main & Room 405 for Poster and Break)

9:00-9:50	Invited talk 1 (Chair: Mitsuhsa Sato) <i>Accelerating to the Promised Land</i> Michael Wolfe (The Portland Group, Inc.)
9:50-10:10	Break
10:10-11:40	Session 3: Proposed Extensions to OpenMP (Chair: Kohichiro Hotta) <i>A Proposal for User-defined Reductions in OpenMP</i> Alejandro Duran, Roger Ferrer, Michael Klemm, Bronis R. de Supinski and Eduard Ayguadé <i>An extension to improve OpenMP tasking control</i> Eduard Ayguadé, James Beyer, Alejandro Duran, Roger Ferrer, Grant Haab, Kelvin Li and Federico Massaioli <i>Towards an Error Model for OpenMP</i> Michael Wong, Michael Klemm, Alejandro Duran, Tim Mattson, Grant Haab, Bronis R. de Supinski and Andrey Churbanov
11:40-13:00	Lunch
13:00-13:50	Invited talk 2 (Chair: Mitsuhsa Sato) <i>Memory Models and OpenMP</i> Hans Boehm (HP Labs)
13:50-14:10	Break
14:10-15:40	Session 4: Hybrid programming and Accelerators with OpenMP (Chair: Lawrence Meadows) <i>Hybrid Parallel Programming on SMP Clusters using XPFortran</i> Yuanyuan Zhang, Hidetoshi Iwashita, Kuninori Ishii, Masanori Kaneko, Tomotake Nakamura and Kohichiro Hotta <i>A Case for Including Transactions in OpenMP</i> Michael Wong, Barna 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</i> Satoshi Ohshima, Shoichi Hirasawa and Hiroki Honda
15:40-16:00	Break

16:00-17:30	Panel session <i>Status of OpenMP 3.1 and 4.0 Specifications</i> Bronis R. de Supinski <i>Can OpenMP Play a Role at Exascale?</i> Moderator: Barbara M. Chapman Panelists: Taisuke Boku, Kohichiro Hotta, Matthias S. Mueller, Michael Wolfe
17:30-18:00	Closing