

IWOMP 2015

11th INTERNATIONAL WORKSHOP ON OPENMP

in SuperC RWTH Aachen University Templergraben 57

THURSDAY 1st October 2015

Time	Presentations / Speakers	Generali	Track A
08:30	Registration		Foyer 6th floor
09:00	Keynote: Challenges for Parallel Programming Models and Languages of post-petascale and exascale computing <i>Mitsuhisa Sato, Ph.D.</i>		
10:00	Break		Foyer
	Session Theme: Applications		
10:30	P. OpenMP Parallel Error Correction for Next-Generation Sequencing Data <i>M.Joppich, D.Schmidl, A.Bolger, T. Kuhlen and B. Usadel</i>		
11:00	P. Composing Low-Overhead Scheduling Strategies for Improving Performance of Scientific Applications <i>V. Kale and W. Gropp</i>		
11:30	P. Exploiting fine- and coarse-grained parallelism using a directive based approach <i>A. Jacob, R. Nair, A. Eichenberger, S. Antao, C. Bertolli, T. Chen, Z. Sura, K. O'Brien and M. Wong</i>		
12:00	Lunch		Foyer
	Session Theme: Accelerator Applications		
13:30	P. Experiences of Using the OpenMP Accelerator Model to Port DOE Stencil Applications <i>P.-H. Lin, C. Liao, D. Quinlan and S. Guzik</i>		
14:00	P. Evaluating the Impact of OpenMP 4.0 Extensions on Relevant Parallel Workloads <i>R. Vidal, M. Casas, M. Moreto, D. Chasapis, R. Ferrer, X. Martorell, E. Ayguadé, J. Labarta and M. Valero</i>		
14:30	P. First experiences porting a parallel application to a hybrid supercomputer with OpenMP 4.0 device constructs <i>A. Hart</i>		
15:00	Break		

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Session Theme: Tools			
15:30	P. Lessons Learned from Implementing OMPD: a Debugging Interface for OpenMP <i>J. Protze, I. Laguna, D. Ahn, J. Delsignore, A. Burton, M. Schulz and M. Müller</i>		
16:00	P. False Sharing Detection in OpenMP Applications using OMPT API <i>M. Ghane, M. Malik, B. Chapman and A. Qawasmeh</i>		
16:30	P. Exception Handling with OpenMP in Object-Oriented Languages <i>X. Fan, M. Mehrabi, O. Sinnen and N. Giacaman</i>		
17:00	Panel: Do we need an OpenMP Tools and Debugging Interface?		
17:30	State of OpenMP and Outlook on OpenMP 4.1 Talk: <i>Bronis R. de Supinski</i>		
18:00	<i>shuttle from SuperC to Belvedere (travel time: about 7 minutes)</i>		<i>In front of SuperC</i>
19:00	<i>Social Dinner in Belvedere (famous water tower on Lousberg)</i>		



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FRIDAY 2nd October 2015

Time	Presentations / Speakers	Generali	Track A
08:30	Good morning!		
	Session Theme: Keynote II		
09:00	Keynote: Missing Pieces in the OpenMP Ecosystem <i>Prof. John Mellor-Crummy</i>		
10:00	Break		
	Session Theme: Energy		
10:30	P: Parallelization Methods for Hierarchical SMP Systems <i>Larry Meadows, Jeongnim Kim and Alex Wells</i>		
11:00	P: Application-level Energy Awareness for OpenMP <i>F. Alessi, P. T., G. Georgakoudis, T. Fahringer and D. Nikolopoulos</i>		
11:30	P: Evaluating the Energy Consumption of OpenMP Applications on Haswell Processors <i>B. Wang, D. Schmidl and M. Müller</i>		
12:00	Lunch		Restaurants
14:00	P: Enabling Region Merging Optimizations in OpenMP <i>T. Scogland, J. Gyllenhaal, J. Keasler, R. Hornung and B. de Supinski</i>		
14:30	P: Towards Task-parallel reductions in OpenMP <i>J. Cisko, S. Mateo, X.r Teruel, X. Martorell, E. Ayguade, J. Labarta, A. Duran, B. De Supinski, S. Olivier, K. Li and A. Eichenberger</i>		
15:00	P: OpenMP 4.0 Device Support in the OMPi Compiler <i>A. Papadogiannakis, S. Agathos and V. Dimakopoulos</i>		
15:30	Break		
	Session Theme: Extensions		
16:00	P: On the Algorithmic Aspects of Using OpenMP Synchronization Mechanisms II: User-Guided Speculative Locks <i>B. a Bihari, B. Hansang, J. Cownie, M. Klemm, C. Terboven and L. Diachin</i>		
16:30	P: Using Transactional Memory to Avoid Blocking in OpenMP Synchronization Directives <i>L. Bonnichsen and A. Podobas</i>		
17:00	P: A Case Study of OpenMP applied to Map/Reduce-Style Computation <i>M. Arif and H. Vandierendonck</i>		
17:30	P: Supporting Indirect Data Mapping in OpenMP <i>T. Scogland, J.Keasler, J. Gyllenhaal, R. Hornung, B.de Supinski and H. Finkel</i>		
18:00	End		