

MOMAC – Program – Tuesday, February 25, 2014

Time	Paper Title and Authors
09:15 – 09:30	Welcome
09:30 – 10:30	The Invasive Network on Chip - A Multi-Objective Many-Core Communication Infrastructure Jan Heisswolf, Muhammad Aurang Zaib, Andreas Weichslgartner, Martin Karle, Maximilian Singh, Thomas Wild, Jürgen Teich, Andreas Herkersdorf, and Jürgen Becker FALP: A Fault Adaptive and Low Power Method for Network on Chip Router Farhad Mohammadian
10:30 – 11:00	Coffee Break
11:00 – 12:00	An Approach to Enhance Loop Performance for Multicluster VLIW DSP Processor Yangzhao Yang, Naijie Gu, Kaixin Ren, and Bingqing Hu Improving Efficiency of Embedded Multi-core Platforms with Scratchpad Memories Johny Paul, Walter Stechele, Manfred Kröhnert, and Tamim Asfour
12:00 – 12:30	Position Paper & Discussion: Towards Actor-oriented Programming on PGAS-based Multicore Architectures Sascha Roloff, Frank Hannig, and Jürgen Teich
12:30 – 13:30	Lunch Break
13:30 – 14:30	Multi-Objective Diagnosis of Non-Permanent Faults in Many-Core Systems Peter Waszecki, Martin Lukasiewicz, and Samarjit Chakraborty Towards Tight Interaction of ASP and SMT Solving for System-Level Decision Making Alexander Biewer, Jens Gladigau, and Christian Haubelt
14:30 – 15:00	Open Discussion, Future Directions, and Closing Remarks
15:00 – 15:30	Coffee