

9:00 – 10:30 INTRODUCTION AND KEYNOTE (session chair: Jean-Luc Gaudiot)

Relating the Partitioned-Global-Address-Space (PGAS) Programming Model with the Data-Flow Model

*J. Nelson Amaral*

11:00 – 12:30 SESSION 1 (session chair: Vivek Sarkar)

A Holistic Dataflow-Inspired System Design

*Stéphane Zuckerman, Haitao Wei, Howard Wong, Guang R Gao, Jean-Luc Gaudiot and Ahmed Louri*

Language Features for Scalable Distributed-Memory Dataflow Computing

*Justin Wozniak, Michael Wilde and Ian Foster*

On the Feasibility of a Codelet Based Multi-core Operating System.

*Jack Dennis and Guang Gao*

Hierarchically Tiled Array as a High-Level Abstraction for Codelets

*Chih-Chieh Yang, Juan C. Pichel, Adam R. Smith and David A. Padua*

2:00 – 3:30 SESSION 2 (session chair: Jean-Luc Gaudiot)

A Clockless Computing System based on the Static Dataflow Paradigm

*Lorenzo Verdoscia, Roberto Giorgi and Roberto Vaccaro*

Toward a Self-Aware Codelet Execution Model

*Stéphane Zuckerman, Aaron Landwehr, Kelly Livingston and Guang R Gao*

Comparing the StreamIt and  $\Sigma$ C Languages for Manycore Processors

*Xuan Khanh Do, Stephane Louise and Albert Cohen*

4:00 – 5:30 SESSION 3 (session chair: Stéphane Zuckerman)

Limits of Statically-Scheduled Token Dataflow Processing

*Nachiket Kapre and Siddhartha*

DFGR: an Intermediate Graph Representation for Macro-Dataflow Programs

*Alina Sbirlea, Louis-Noel Pouchet and Vivek Sarkar*

Asynchronous Task Scheduling of the Fast Multipole Method using various Runtime Systems

*Bo Zhang*