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 ΣC 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