

APGAS 2009 Workshop Technical Program Schedule

MONDAY June 8, 2009

Introduction and Keynote

09:00 - 09:10 Welcome: Vijay Saraswat, Calin Cascaval

09:10 - 10:00 Keynote: Alan Gara on IBM Exascale project

Programming Models

10:00 - 10:30 Robert Numrich:
A Proposal for Adding Team Objects to Co-Array Fortran

10:30 - 11:00 Coffee break

11:00 - 11:30 Aaron Becker, Phil Miller and Laxmikant V. Kale:
PGAS in the Message-Driven Execution Model

11:30 - 12:00 Aniruddha Shet, Vinod Tipparaju and Robert Harrison:
Asynchronous Programming in UPC: A Case Study and Potential for Improvement

12:00 - 12:30 George Almasi:
Collectives in UPC and in the APGAS library

12:30 - 14:00 Lunch

Case studies

14:00 - 14:30 David Cunningham, Sayantan Sur, George Almasi, Vijay Saraswat:
Porting k-means clustering to accelerators with the APGAS runtime

Debugging and Tools

14:30 - 15:00 Shivali Agarwal and Rudrapatna Shyamasundar:
Debugging PGAS Languages: Challenges and Approaches

15:00 - 16:00 Coffee break

Optimization

16:00 - 16:30 Montse Ferreras, Vladimir Marjanovic, Eduard Ayguade and Jesus Labarta:
Gaining asynchrony by using hybrid UPC/SMPSs

16:30 - 17:00 Benoit Meister, Allen Leung, Nicolas Vasilache, David Wohlford, Cedric Bastoul and Richard Lethin:
Productivity via Automatic Code Generation for PGAS Platforms with the R-Stream Compiler

17:00 - Free discussion, concluding remarks

A PDF copy of the program is available [here](#).

[Workshop website](#)