

PDP 2013, Special Session on GPU Computing and Hybrid Computing

The Chair thanks Authors and PC members of our Special Session. We have received 19 papers and 67 reviews written by 22 PC Members from nine countries. Finally height papers have been accepted (six regular papers and two short papers).

List of accepted papers

Evaluation of Optimization Strategies for fastsg on Heterogeneous Systems.
Andrei Deftu, Alin Murarasu.

3D bubbly flow simulation on the GPU - Iterative Solution of linear system using sub-domain and level-set deflation.
Rohit Gupta, Martin B. Van Gijzen, Cornelis Vuik

A GPU algorithm design for Resource Constrained Project Scheduling Problem.
Libor Bukata, Premysl Sucha

ELMO: A User-Friendly API to Enable Local Memory in OpenCL Kernels.
Jianbin Fang, Ana Lucia Varbanescu, Jie Shen, Henk Sips

Parallelizing Broad Phase Collision Detection Algorithms for Sampling Based Path Planners.
Fuat Geleri, Oguz Tosun, Haluk Topcuoglu

Using GPU for Multi-agent Soil Simulation.
Guillaume Laille, Nicolas Marilleau, Kamel Mazouzi, Christophe Lang, Laurent Philippe

Paralysis: An Extensible Multi-Tiered Guidance Environment for Program Parallelization and Analysis.
Stuart McCool, Ran Shao, Peter Milligan, Fatih Kurugollu

Evaluation of successive CPUs/APUs/GPUs based on OpenCL applicative kernels.
Henri Calandra, Romain Dolbeau, Pierre Fortin, Jean-Luc Lamotte and Issam Said