Program

Monday, 14-April-2008

08:30 – 09:00: Registration
09:00 – 10:30: Opening remarks
   Keynote Presentation:
   Visualization in the Era of Petascale Computing
   Hans-Christian Hege, Zuse Institute Berlin (ZIB)
   Chair: Daniel Weiskopf
10:30 – 11:00: Coffee
11:00 – 12:30: Session Volume Rendering
   Chair: Tom Peterka
   Multi-GPU Sort-Last Volume Visualization
   Stéphane Marchesin, Catherine Mongenet, and Jean-Michel Dischler
   StreamingModel Based VolumeRay Casting Implementation for Cell Broadband Engine
   Jusub Kim and Joseph JaJa
   Acceleration of Opacity Correction Mechanisms for Over-sampled Volume Ray Casting
   Jong Kwan Lee and Timothy S. Newman
12:30 – 14:00: Lunch break
14:00 – 15:30: Session Graphs, Meshes, and Global Illumination
   Chair: Kadi Bouatouch
   A Scalable Parallel Force-Directed Graph Layout Algorithm
   Anna Tikhonova and Kwan-Liu Ma
   Parallel Simplification of LargeMeshes on PC Clusters
   Hua Xiong, Xiaohong Jiang, Yaping Zhang, and Jiaoying Shi
   High-Fidelity Rendering of Animations on the Grid: A Case Study
   Vibhor Aggarwal, Alan Chalmers, and Kurt Debattista
15:30 – 16:00: Coffee
16:00 – 16:30: Invited presentation:
   Application of the Parallel Compositing Library (paracomp)
   Glenn Lupton
19:00: Dinner
EGPGV '08 – Program (cont.)

Tuesday, 15-April-2008

08:30 – 09:30: Session GPGPU Methods
Chair: Stephane Marchesin
CUDASA: Compute Unified Device and Systems Architecture
Magnus Strengert, Christoph Müller, Carsten Dachsbacher, and Thomas Ertl
Parallel Longest Common Subsequence using Graphics Hardware
John Kloetzli, Brian Strege, Jonathan Decker, and Marc Olano

09:30 – 10:30: Session Massively Parallel Visualization
Chair: Stephane Marchesin
Time-Critical Distributed Visualization with Fault Tolerance
Jinzhu Gao, Huadong Liu, Jian Huang, Micah Beck, Qishi Wu, Terry Moore, and James Kohl
Parallel Volume Rendering on the IBM Blue Gene/P
Tom Peterka, Hongfeng Yu, Robert Ross, and Kwan-Liu Ma

10:30 – 11:00: Coffee

11:00 – 12:30: Panel: Future Research Challenges of Parallel Graphics and Visualization
Alan Chalmers, Hans-Christian Hege, Kwan-Liu Ma, and Magnus Strengert

12:30 – 12:45: Closing remarks

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