HP-SEE Training Event Summary Report

Title:

HPC Regional Training

Date:

29-30 November 2010

Short description:

Introductory lectures and hands on training on using the HPC clusters, Blue Gene/P, GPU computing, and analyzing the performance of case study parallel applications with MPI, OpenMP and CUDA.

Language(s) of talks:

English

Organiser name and email:

Aneta Karaivanova <anet@parallel.bas.bg>

Location:

Institute of Information and Communication Technologies
Bulgarian Academy of Sciences
Acad.G. Bonchev St., 25 A, Sofia 1113, Bulgaria.

URL:

http://indico.ipb.ac.rs/conferenceDisplay.py?confId=21

Local URL:

http://www.grid.bas.bg/gta/projects/HP-SEE/pages/EN/events_en.html

Length of event:

2 days

Participants

Organisation, Country	Number of Participants
UoBL, BA	2
IMBB/FORTH Greece	1
GRENA, Georgia	1
ISS, IFIN-HH; Romania	3
IPB, UoB, RCUB; Serbia	6
UKIM, FYROM	4
UPT, Albania	2
NAP NAS RA, Armenia	1
UoM, Montenegro	2
NIIF, Hungary	2
RENAM. Moldova	2
IICT-BAS, IOH; Bulgaria	4

Total number of participants: 30
Total number of countries: 12
Male: 90 % Female: 10 %

Feedback Analysis

Course Component	Average value (1: poor - 6:excellent)	Standard Deviation (N=)
Goal 1: Overview of HP-SEE project		
Goal 2: Introduction to HP-SEE infrastructure and access		
Goal 3: Overview of Blue Gene/P system		
Goal 4: Introduction to Parallel Computing: The message Passing and Shared Memory		
Goal 5: Access to the HPC infrastructure		
Goal 6: Programming with MPI and Open MP		
Goal 7: Overview of future HPC architectures		
Goal 8: Introduction to GPU computing		
Goal 9: Programming with CUDA		
Goal 10: Application case studies		
Goal 11: Advanced application porting and optimization		
Goal 12: Application case studies and advanced application porting and optimization		
Overall evaluation		
Presentations		
Lab exercises		
Advertising & Registration		
Facilities		