

## **PDCS 2013 Summary**

The Conference on Parallel and Distributed Computing Systems “PDCS 2013” held in Kharkiv, March 13-14, 2013 at the Institute for Scintillation Materials of NAS of Ukraine. The conference drew 130+ researchers, engineers, developers and state representatives from 13 countries. The conference was organized by Institute for Scintillation Materials and Glushkov Institute of Cybernetics under the sponsorship of

- Tesis LTD (Russia),
- Technical Supercomputers Lab (Ukraine),
- Intel (Russia),
- IBM (Ukraine),
- NVidia (Russia),
- SMIT LTD (Ukraine).

This was the first large HPC event in Kharkiv, former capital of Ukraine and its scientific center with many research institutes. The first day talks were devoted mainly to supercomputer architecture design, HPC system software and parallel numerical methods. The second day was marked by Industrial session which gathered Ukrainian and foreign specialists and developers from high-technology areas like aircraft and ship design, construction of military equipment and nuclear reactors.

### **Number of attendees by country**

- Azerbaijan – 1
- Armenia – 1
- Belarus – 1
- Czech Republic – 1
- Egypt – 1
- Germany – 1
- Portugal – 1
- USA – 1
- Kazakhstan – 2
- Moldova – 3
- India – 4
- Russia – 28
- Ukraine – 87

### **Conference Topics**

- Supercomputer design and administration
- HPC in science and industry
- CUDA, OpenCL, accelerated programming
- HPC in oil and gas
- Applied physics, nanotechnology
- Computational biology and genetics

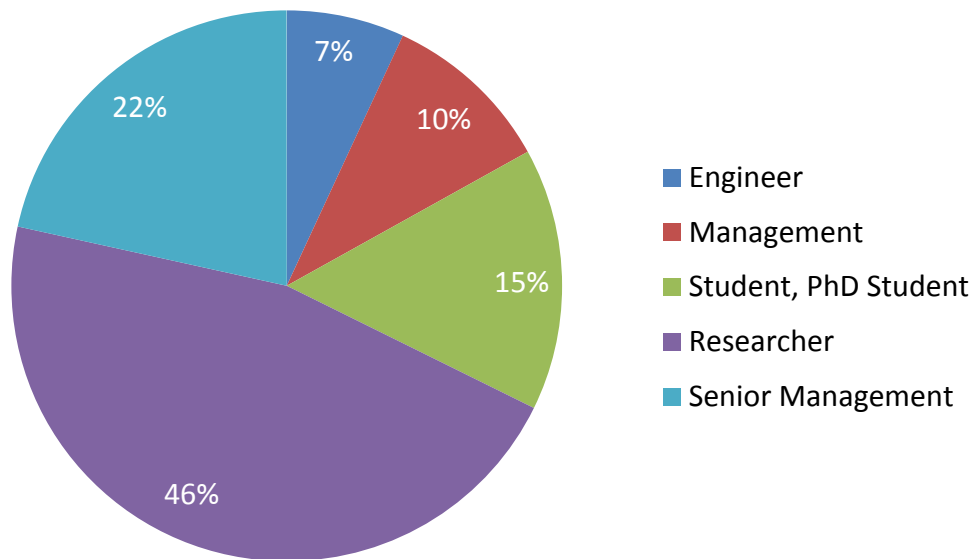
- Numerical methods and parallel algorithms
- Grids, Clouds and distributed computing

**Attendees from 70 different research institutions and private companies**

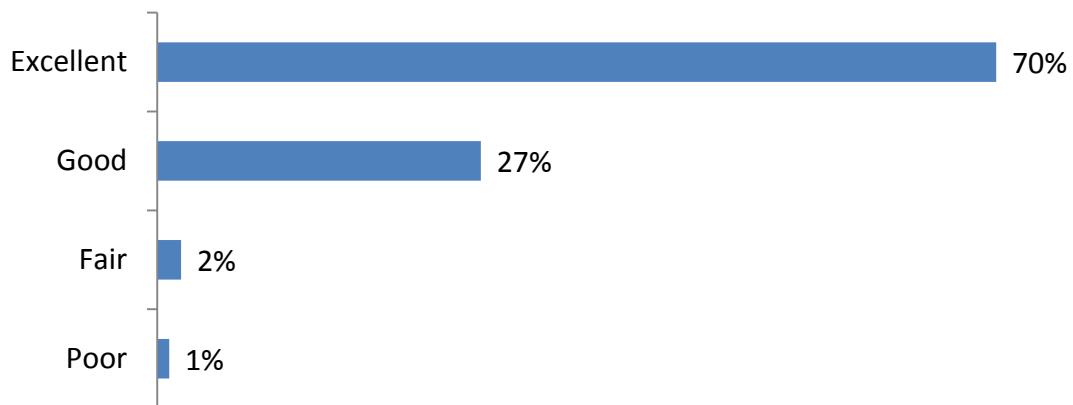
- Academy of Water Transport
- Al-Farabi Kazakh National University
- ANTK Antonov
- Baku State University
- Bogolyubov Institute for Theoretical Physics
- C3i/Instituto Politécnico de Portalegre
- Central Lab for Agricultural Expert Systems
- Chitkara University
- Computer Center of FEB RAS
- Dalh East-Ukrainian National University
- Dnipropetrovsk National University
- Far East Federal University
- HLRS – Universitaet Stuttgart
- IBM
- Institute for Computer Aided Design RAS
- Institute for Condensed Matter Physics
- Institute for Information Transmission Problems
- Institute for Low Temperature Physics and Engineering
- Institute for Machine Science
- Institute for Mechanical Engineering Problems
- Institute for Radiophysics and Electronics
- Institute for Scintillation Materials
- Institute for Superhard Materials
- Institute of Applied Physics
- Institute of Cybernetics
- Institute of Informatics Problems
- Institute of Mathematical Machines and Software Systems
- Institute of Mathematics and Computer Science
- Institute of Mathematics and Informatics
- Institute of Mechanics Moscow State University
- Institute of Molecular Biology and Genetics
- Institute of Physics and Technology
- Institute of Plasma Physics NSC KIPT
- Institute of Software Systems
- Institute of Transport Systems and Technologies
- Intel
- Ivan Franko National University of Lviv
- JST "Dialektika"
- Kharkiv Institute of Physics and Technology

- Kharkiv National University
- Kharkiv National University of Economics
- Kharkiv National University of Radioelectronics
- Lomonosov Moscow State University
- Massive Solutions
- Mechnikov Odesa National University
- National Aerospace University "Kharkiv Aviation Institute"
- NICEVT
- NTUU "Kharkiv Polytechnic Institute"
- NTUU "Kyiv Polytechnic Institute"
- Odesa National Polytechnic University
- Orenburg State University
- Parallel Computing Center Khmelnytskyi National University
- Petro Mohyla Black Sea State University
- Polessky State University
- Pukhov Institute for Modeling in Energy Engineering
- Research and Educational Networking Association of Moldova
- Research Computing Center Moscow State University
- RFNC-VNIITF
- Saldlab LLC
- SIGMA Technology
- South Ural State University
- State Engineering University
- Sumy State University
- University of Augsburg
- Taras Shevchenko National University of Kyiv
- Technical Supercomputers Laboratory
- Tesis Ltd.
- Trofimuk Institute of Petroleum Geology and Geophysics
- Urals State Mining University
- ZAO MCST

## Professional Activities



## Visitor's rating



87% of attendees already plan to take part in PDCS'14 conference.

## Conference Impressions

Please follow the link: <http://hpc-ua.org/pdcs-13/impressions/>

## Conference proceedings

Please follow the link: <http://hpc-ua.org/pdcs-13/proceedings/>

## Upcoming Events

- Cluster Computing 2013, Lviv, June 3-5, 2013
- HPC-UA 2013, October 7-9, 2013

## Contact Us

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<http://hpc-ua.org/pdcs-13/>