

# The 6th International Conference "Distributed Computing and Grid-technologies in Science and Education"



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## Review of the main results of Institute of Applied Mathematical Research, KRC of RAS in the domain of Desktop Grids

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The report gives a review of some of the main recent results of a researches on Desktop Grids that have been performed in the Institute of Applied Mathematical Research of Karelian Research Centre, RAS.

The talk addresses the following topics:

*mathematical models of Desktop Grids and consequent optimizations; Enterprise Desktop Grids; virtual screening in the BOINC-based Enterprise Desktop Grid of the Department of Dermatology, University of Lübeck and the Institute of Applied Mathematical Research, KRC RAS; conferences BOINC:FAST'2013 and BOINC:FAST'2015; BOINC-based data mining; mechanisms of interaction between a BOINC-based Desktop Grid and a computing cluster.*

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