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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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Primary author: Mr IVASHKO, Evgeny (Institute of Applied Mathematical Research of RAS)

Co-author: Mr RUMYANTSEV, Alexander (Institute of Applied Mathematical Research, Karelian Research Centre of RAS)

Presenter: Mr RUMYANTSEV, Alexander (Institute of Applied Mathematical Research, Karelian Research Centre of RAS)

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