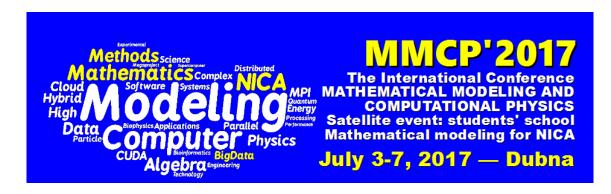**Session Program**

3–7 Jul 2017

International Conference "Mathematical Modeling and Computational Physics, 2017" (MMCP2017)

Distributed and parallel computing and tools for scientific computing (I)

Tuesday 4 July

13:30

Distributed and parallel computing and tools for scientific computing (I)
Session | Location: 406B

13:30–13:45 **TESTS OF DIFFERENT MPI IMPLEMENTATIONS IN HPC/KVM CLUSTER**

Speaker
Mr E. Alexandrov

13:45–14:00 **Showers Simulation Study over Caucasus Region by WRF Model Based on Grid Computing**

Speakers
Mrs Nato Jiadze, Prof. Teimurazi Davitashvili

14:00–14:15

Computer Modeling of a Dispersed Storage System for Private Data on Public Resources in P2P Networks for Determining the Optimal Values of its Parameters

Speaker
Dr Stanislav Polyakov

14:15–14:30 **Web Platform for Sharing Modeling Software in the Field of Nonlinear Optics**

Speaker
Ms Yulia Dubenskaya

14:30–14:45

Concept of a cloud service for data preparation and computational control on custom HPC systems in application to molecular dynamics.

Speaker
Mr Sergey Markizov

14:45–15:00 **Web service for analysis of experimental data on HPC platforms using package ROOT**

Speaker
Mr Aleksandr Mayorov

15:00

15:30

Distributed and parallel computing and tools for scientific computing (I)
Session | Location: 406B

15:30–15:45

Application of SLURM, BOINC and GlusterFS as Software Complex for Sustainable Modeling and Data Analytics

Speaker
Mr Vladislav Kashansky

15:45–16:00 **New HybriLIT cluster module devoted to graphical applications**

Speaker
Mr Mikhail Matveyev

16:00–16:15 **RO-14-ITIM, upgrades for a diskless site**

Speaker
Dr Jefte Nagy

16:15–16:30 **Intel® Parallel Studio XE for Distributed Computations**

16:45

Speaker
G. Fedorov