**Session Program**

**28 September 2015 to 2 October 2015**



<center><span style="font-family: verdana; font-size: 20px; color: #275c86;">Montenegro, Budva, Becici, 28 september – 02 october 2015</span></center>

*Computations with Hybrid Systems (CPU, GPU, coprocessors)*

Budva, Becici, Hotel Splendid, Conference Hall

# Thursday 1 October

**14:00**

## Computations with Hybrid Systems (CPU, GPU, coprocessors)
**Session** | **Location:** Budva, Becici, Hotel Splendid, Conference Hall | **Convener:** Prof. Alexander Degtyarev

**14:00–14:30** **HybriLIT : status report**

**Speaker**
Dr Petr Zrelov

**14:30–14:45** **Virtual Accelerator Laboratory: the symbolic presentation for space charge fields**

**Speaker**
Ms Nataliia Kulabukhova

**14:45**

**15:20**

## Computations with Hybrid Systems (CPU, GPU, coprocessors): Computations with Hybrid Systems (CPU, GPU, coprocessors)
**Session** | **Location:** Budva, Becici, Hotel Splendid, Conference Hall | **Convener:** Prof. Gennady Ososkov

**15:20–15:35**

**APPLICATION OF CLUSTER ANALYSIS AND AUTOREGRESSIVE NEURAL NETWORKS FOR THE NOISE DIAGNOSTICS OF THE IBR-2M REACTOR**

**Speaker**
Dr Yuri Pepelyshev

**15:35–15:50** **System of HPC content archiving**

**Speaker**
Mr Andrei Ivashchenko

**15:50–16:05**

**Impact of Configuration Management system of computer center on support of scientific projects throughout their lifecycle**

**Speaker**
Mr Nikolai Iuzhanin

**16:05–16:20** **Resource and task management tools for physics applications**

**Speaker**
Mr Ivan Gankevich

**16:20–16:35** **Social Data Collection and Processing Framework**

**Speaker**
Mr Dmitry Guschansky

**16:35–16:50**

**Development of cross-platform communication library in C++, with support for multiple scripting languages: architectural pitfalls**

**Speaker**
Mr Oleg Iakushkin

**16:50**