

Venue

The Workshop will be held in the New Conference Hall of the Faculty of Applied Mathematics & Control Processes (St. Petersburg, Staryj Petergof, Universitetskij pr., 35)

Dates and Deadlines

2nd Announcement	February, 2010
Registration and abstract submission deadline	March 1, 2010
Notification of acceptance	April 1, 2010
BDO'2010 Workshop	June 28–30, 2010

Registration

To register as a participant of the BDO'2010 Workshop please fill in the online registration form at the Workshop website:

<http://www.bdo2010.compmath.spbu.ru/register.php>

Abstracts Submission

Abstracts are to be prepared in \LaTeX and should not include any graphics. The size is limited by two pages. Your abstract should be send to the Organizing Committee by e-mail.

The deadline for submitting abstracts is March 1, 2010.

The \LaTeX template is available at the Workshop website:

<http://www.bdo2010.compmath.spbu.ru/abstract.html>

The 16th International Workshop
“Beam Dynamics and Optimization (BDO'2010)”
will be held in the St. Petersburg State University (St. Petersburg, Russia)
June 28–30, 2010.

For further information please visit the Workshop website:

<http://www.bdo2010.compmath.spbu.ru/>

Beam Dynamics Optimization



FIRST ANNOUNCEMENT

SIXTEENTH INTERNATIONAL WORKSHOP:
BEAM DYNAMICS & OPTIMIZATION

June 28 – 30, 2010, St.Petersburg, Russia

ORGANIZED BY:

St.Petersburg State University,
Faculty of Applied Mathematics
and Control Processes

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BDO'2010 Organizing Committee Address

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Scope

Traditionally the objective of the Workshop is to bring together mathematicians, physicists and engineers to present and discuss recent developments in the area of mathematical control methods, modeling and optimization and theory and design of charged particle beams and plasma, parallel and distributed computing in accelerator physics.

Historical Overview

The series of workshops on Beam Dynamics and Optimization started in 1994. Since that, 14 workshops were held, either in St.Petersburg, or in Saratov and the 15th workshop (2008) took place in St. Petersburg, Florida, USA. In years 2004 and 2005 the BDO workshops were included as separate sections into the 8th International Computational Accelerator Physics Conference (ICAP 2004), and the International Conference “Stability and Control Processes (SCP 2005)”, respectively. In 15-years time the workshop had developed into a full scale conference with more than 100 participants every time. Nevertheless, we are keeping the traditional and well-recognized name “BDO Workshop”.

Technical Program

1. Beam Dynamics
2. Optimal Control Theory and Methods of Optimization
3. Mathematical Modeling of Electromagnetic Fields
4. Charged Particle Beam Generation
5. Plasma Control and Optimization
6. Applications of Accelerators
7. Code Development

Official Languages

The working languages of the BDO'2010 Workshop are English and Russian.

Sessions

Reports at the BDO'2010 Workshop may be presented in oral or poster form.

The lecture hall for the oral session will be equipped with a PC-connected electronic projector. Please provide your presentations on CDs or memory sticks in Adobe PDF or MS PowerPoint format.

In the room for the poster session posterboards and material for attachment will be available.