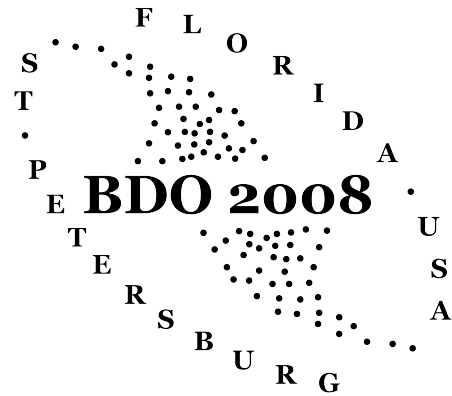


**FIRST  
ANNOUNCEMENT**



**FIFTEENTH INTERNATIONAL WORKSHOP:  
*BEAM DYNAMICS & OPTIMIZATION***

*July 10 – 13, 2008, St.Petersburg, Florida, USA*

ORGANIZED BY:

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

Department of Physics and Astronomy  
Michigan State University, Michigan, USA

Department of Physics and Astronomy  
University of California, Riverside, USA

## **Chairs:**

Dmitri A Ovsyannikov (Russia)  
Martin Berz (USA)  
Pavel Snopok (USA/Russia)

## **Organizing Committee:**

S.N.Andrianov (Russia)	G.Hanson (USA)	Yu.Senichev (Germany)
Yu.A.Budanov (Russia)	R.Jameson (USA)	M.F.Vorogushin (Russia)
A.N.Dovbnya (Ukraine)	C.Johnstone (USA)	I.P.Yudin (Russia)
N.V.Egorov (Russia)	A.B.Kurzhanskiy (Russia)	D.V.Zhukov (Russia)
V.P.Gorbachev (Russia)	A.Poklonskiy (Russia)	

## **Scientific Committee:**

S.Kawata (Japan)	D.Neuffer (USA)	E.I.Veremey (Russia)
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E.S.Masunov (Russia)	R.Ryne (USA)	W.Wan (USA)
K.Makino (USA)	Yu.A.Svistunov (Russia)	
F.Meot (France)	A.Todd (USA)	

## **Contact Information:**

Event coordinator, website related questions, registration issues:

**Pavel Snopok**

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cell: +1-951-823-3541

Organizing committee:

e-mail: bdo08-org@bt.pa.msu.edu

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 then, 14 workshops were held in Russia: in St.Petersburg, Saratov, and in Dubna. In the 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. This year is the first time the workshop is held outside the borders of Russia, although the name of the location will be instantly familiar to earlier participants: BDO 2008 will take place in St.Petersburg, but this time it is St.Petersburg, Florida, USA.

## **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

We will consider other topic proposals related to beam dynamics if there is a significant number of talks.

## **Official Language**

The official language of the BDO'08 Workshop is English.

## **Sessions**

Reports at the BDO'08 Workshop may be presented in oral or poster form. Oral presentations are limited to 30 minutes (25+5).

The meeting room for the oral session will be equipped with a projector. Please provide your presentations on CDs or memory sticks in Adobe PDF or MS PowerPoint format.

## **Location**

The Workshop will be held at the Hampton Inn & Suites in downtown St.Petersburg, Florida (80 Beach Drive NE, St. Petersburg, Florida 33701. Phone: +1-727-892-9900, fax: +1-727-892-9205, www: <http://www.stpetehamptonsuites.com>).

## **Registration**

To register for the BDO'08 Workshop please fill in the online registration form at the Workshop website:

<http://www.bt.pa.msu.edu/bdo08/cgi-bin/register.pl>

The form to pay your registration fee will be added to the website shortly. The registration fee can be paid with any major credit card.

## **Abstracts Submission**

Abstracts are to be prepared in  $\text{\LaTeX}$  and should not include any graphics. The size is limited to one page. Your abstract should be sent to the Organizing Committee by e-mail or using the online form.

The  $\text{\LaTeX}$  template is available at the Workshop website along with the upload form:

<http://www.bt.pa.msu.edu/bdo08/cgi-bin/upload.pl>

The deadline for submitting abstracts is March 31, 2008.

Decisions about the acceptance of submitted abstracts will be provided by May 1, 2008.

For further information please visit the Workshop website:

<http://bdo08.org>

or

<http://bt.pa.msu.edu/bdo08>