



## **First Announcement**

### **XIV International Feofilov Symposium on Spectroscopy of Crystals Doped with Rare Earth and Transition Metal Ions October 18-21, 2010 St. Petersburg**

**Symposium is held in the framework of the VI International Optical Congress  
“Optics –XXI century”**

#### **Organizers:**

*St. Petersburg State University of Information Technologies, Mechanics and Optics  
A.F. Ioffe Physical Technical Institute of RAS, St. Petersburg  
D.S. Rozhdestvensky Optical Society, Russia  
Council on Spectroscopy of Atoms and Molecules, RAS*

#### **Cooperating Organizations:**

*A.M. Prokhorov General Physics Institute of RAS, Moscow  
S.I. Vavilov State Optical Institute, St. Petersburg*

#### **Expected Sponsors:**

*Russian Federation Ministry of Education and Science,  
Russian Foundation for Basic Researches (RFBR),  
St. Petersburg State University of Information Technologies, Mechanics and Optics (ITMO)  
and others*

#### **Symposium honorary chairs:**

Vasiliev V.N.

*St. Petersburg State University of Information Technologies, Mechanics and Optics,*

Osiko V.V.

*A.M. Prokhorov General Physics Institute of RAS, Moscow*

#### **Symposium chairs:**

A.A. Kaplyanskii

*A.F. Ioffe Physical-Technical Institute of RAS, St. Petersburg*

N.V. Nikonorov

*St. Petersburg State University of Information Technologies, Mechanics and Optics,*

### **Program committee**

T.T. Basiev (Moscow) - co-chair  
G. Boulon (Lyon)  
G.N. Gerasimov (St. Petersburg)  
V.L. Ermolaev (St. Petersburg)  
S.P. Feofilov (St. Petersburg)  
A.A. Kaminskii (Moscow)  
A.A. Kaplyanskii (St. Petersburg) - co-chair  
S.Z. Malkin (Kazan)  
V.G. Maslov (St. Petersburg)  
S.B. Mirov (Birmingham, AL)  
A.E. Nikiforov (Ekaterinburg)  
Yu.V. Orlovskii (Moscow)  
E.A. Radzhabov (Irkutsk)  
A.I. Ryskin (St. Petersburg)  
V.A. Smirnov (Moscow)  
A.M. Tkachuk (St. Petersburg)

### **Local organizing committee**

A.S. Rokhmin (ITMO, St. Petersburg) – chair  
E.B. Bruiy (ITMO, St. Petersburg) – vice-chair  
A.B. Kutsenko (PTI, St. Petersburg) – vice-chair

### **Symposium secretary**

A.S. Rokhmin (ITMO, St. Petersburg)  
Rokhmin@oi.ifmo.ru

### **Background**

The XIV-th Feofilov symposium continues a sequence of symposia started in 1965. The first nine symposia were held as national meetings. The X-th (St. Petersburg, 1995), XI-th (Kazan, 2001), XII-th (Ekaterinburg 2004) and XIII-th (Lake Baikal 2007) symposia were held with international participation.

### **Scope**

The symposium includes all aspects of theoretical and experimental studies of the phenomena related to the f- and d- ions in condensed matter. Relevant areas of research include condensed matter physics, material sciences and the novel instrumentation required to carry out such research.

**Main Topics** of the symposium are: f- and d- ions in crystalline and non-crystalline insulators and semiconductors, energy transfer, electron-phonon interaction, dynamics and relaxation of excited states, charge transfer phenomena and charge ordering, cooperative processes, coherent phenomena, optical - microwave spectroscopy, spectroscopy of magneto-concentrated crystals, spectroscopy of nanocrystals, probing of organic and bio-materials, nonlinear spectroscopy, solid-state lasers, scintillators, phosphors, crystallochemical aspects of developing of new materials.

### **Location**

The Symposium will be held in St.Petersburg city center. St. Petersburg has earned the reputation of being one of the most beautiful cities in the world thanks to its unique architectural ensembles of

streets, canals and squares. St. Petersburg is a city of beautiful baroque and classical palaces and buildings.

There are more than 100 museums in the city and its suburbs, including the Hermitage - one of the world's largest collections of art. St. Petersburg is the home of the famous Russian classical ballet school and numerous ballet and opera theaters that will be available during conference time. Symposium will take place at a time, when several cultural events (musical and theatrical shows and artistic exhibits) will happen here.



Aerial view of the Symposium site

**The Symposium language will be English**

**The Symposium program will include oral and poster sessions**

**All potential participants are encouraged to pre-register by sending an email to the Symposium Secretary**

**Important Dates:**

**Second Announcement** – April 2010

**Deadline for abstracts submission** – May 30, 2010

**Invitations sent to participants** - July 2010

**Opening of the VI International Optical Congress “Optics –XXI century”** – October 18, 2010  
(St. Petersburg, Kronverkskiy 49)

**Symposium opening** – October 19, 2010 (St. Petersburg, Vasiljevskiy Island, Birzhevaya Linija 4)

**Symposium Website:** [www.feofilov.ifmo.ru](http://www.feofilov.ifmo.ru)

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