

First Announcement &
Call for Abstracts and Papers



XXIV International Conference on

Interaction of Intense Energy Fluxes with Matter

March 1-6, 2009, Elbrus,
Kabardino-Balkaria, Russia

Supported by Russian Academy of Sciences
and Russian Foundation for Basic Research

Abstract submission is open
until November 30, 2008

Full-length paper submission is open
until December 28, 2008

<http://www.ihed.ras.ru/elbrus09/>

CONFERENCE CHAIRMEN

Vladimir E. Fortov, Joint Institute for High Temperatures (JIHT), Russian Academy of Sciences (RAS), Moscow, Russia

Barasbi S. Karamurzov, Kabardino-Balkaria State University (KBSU), Nalchik, Russia

Anatoly I. Temrokov, KBSU, Nalchik, Russia

CONFERENCE ORGANIZING COMMITTEE

Vladimir P. Efremov (Vice-Chairman), JIHT RAS, Moscow, Russia

Konstantin V. Khishchenko (Scientific Secretary), JIHT RAS, Moscow, Russia

Valery G. Sultanov (Scientific Secretary), Institute of Problems of Chemical Physics (IPCP), RAS, Chernogolovka, Russia

Evgeny N. Avrorin, Russian Federal Nuclear Center – Zababakhin Institute of Technical Physics (RFNC-VNIITF), Snezhinsk, Russia

Anatoly A. Akhkubekov, KBSU, Nalchik, Russia

Chunlei Guo, University of Rochester, Rochester, NY, USA

Gennady I. Kanel, JIHT RAS, Moscow, Russia

Sergei V. Karpenko, Research Institute of Applied Mathematics and Robotics (RIAMR), Kabardino-Balkaria Scientific Center (KBSC) of RAS, Nalchik, Russia

Pavel R. Levashov, JIHT RAS, Moscow, Russia

Victor B. Mintsev, IPCP RAS, Chernogolovka, Russia

Anatoly L. Mikhailov, Russian Federal Nuclear Center – All-Russia Institute of Experimental Physics (RFNC-VNIIEF), Sarov, Russia

Vladimir V. Molkov, University of Ulster, Northern Ireland, UK

Adam M. Nakhushiev, RIAMR KBSC RAS, Nalchik, Russia

Gerd Röpke, University of Rostock, Rostock, Germany

Aleksei P. Savintsev, KBSU, Nalchik, Russia

Vadim N. Simonenko, RFNC-VNIITF, Snezhinsk, Russia

Boris Y. Sharkov, Russian Federation State Scientific Center – Alikhanov Institute for Theoretical and Experimental Physics, Moscow, Russia

Mikhail V. Zhernokletov, RFNC-VNIIEF, Sarov, Russia

Leonid V. Zhigilei, University of Virginia, Charlottesville, VA, USA

Marvin A. Zocher, Los Alamos National Laboratory, Los Alamos, NM, USA

PROGRAM COMMITTEE

Vladimir P. Efremov, JIHT RAS, Moscow, Russia

Victor B. Mintsev, IPCP RAS, Chernogolovka, Russia

Gennady I. Kanel, JIHT RAS, Moscow, Russia

Vladimir V. Milyavskiy, JIHT RAS, Moscow, Russia

Konstantin V. Khishchenko, JIHT RAS, Moscow, Russia

Galina V. Shpatakovskaya, Institute of Mathematical Modeling (IMM), RAS, Moscow, Russia

Igor L. Iosilevski, Moscow Institute of Physics and Technology, Dolgoprudny, Russia

Oleg F. Petrov, JIHT RAS, Moscow, Russia

GENERAL INFORMATION

The XXIV Annual International Conference on Interaction of Intense Energy Fluxes with Matter will be held at the Educational-Scientific Base of KBSU in Elbrus settlement, Kabardino-Balkaria Republic of Russian Federation, from Sunday, March 1, to Friday, March 6, 2009.

CONFERENCE FOCUS

The technical focus of the Conference is on physics of processes and phenomena arising from the interaction of intense energy fluxes with condensed matter, as well as on physical properties of matter under conditions of high energy densities. Contributed presentations in oral and poster sessions are planned. The Conference will provide for the possibility of non-formal discussions, communications, and co-operations.

CONFERENCE TOPICS

- Interaction of Intense Laser, X-ray and Microwave Radiation with Matter
- Interaction of Powerful Ion and Electron Beams with Matter
- Techniques of Intense Energy Fluxes Generation
- Diagnostics of Ultrafast Processes
- Shock Waves and Detonation Physics
- Equations of State and Constitutive Equations for Matter under Extreme Conditions
- Low-Temperature Plasma Physics
- Issues of Physics and Power Engineering, Technology Projects

CONFERENCE LANGUAGE

The conference language is English.

CALENDAR OF EVENTS

- November 30, 2008 — abstracts due deadline
- December 28, 2008 — full-length papers due deadline
- January 12-16, 2009 — contribution acceptance letters, registration and lodging information e-mailed to contributors
- February 28, 2009 — arrival to Elbrus
- March 1-5, 2009 — the conference sessions
- March 6, 2009 — departure from Elbrus

ABSTRACTS

Abstracts (without figures) submission system is opened on the web site of the conference,
<http://www.ihed.ras.ru/elbrus09/contribution/>
until **Sunday, November 30, 2008**.

FULL-LENGTH PAPERS

Full-length papers submission system is opened at
<http://www.ihed.ras.ru/elbrus09/contribution/>
until **Sunday, December 28, 2008**.

LOCATION

Elbrus settlement is 18 km far from Mount Elbrus (the highest pike of the Caucasus, 5642 m height), 120 km far from Nalchik, which is the capital of the Kabardino-Balkaria Republic, and 200 km far from Mineralnye Vody city. The airports are both in Nalchik and Mineralnye Vody.

The Kabardino-Balkaria Republic is a very quiet and peaceful country. Elbrus settlement is situated in the valley of the Baksan River, which starts from Mount Elbrus. All settlements in the valley (Itkol, Cheget, and Terskol) are famous ski resorts at altitude of approximately 2000 m. This is a region of National Park of extreme natural beauty. It is recommended to visit Mount Elbrus by an elevator for seeing the Greater Caucasus Range with eternal snow from Old Krugozor (3000 m) and Mir (3500 m) stations.

CONTACT INFORMATION

Konstantin V. Khishchenko
Joint Institute for High Temperatures, RAS
Izhorskaya 13 Building 2
125412 Moscow, Russia
E-mail: elbrus@ihed.ras.ru