

Announcement & Call for Abstracts and Papers



XXIII International Conference on

# EQUATIONS OF STATE FOR MATTER

March 1-6, 2008, Elbrus,  
Kabardino-Balkaria, Russia

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

The conference email address is [elbrus@ihed.ras.ru](mailto:elbrus@ihed.ras.ru)

Abstracts and full-length papers  
must be received by December 25, 2007

<http://www.ihed.ras.ru/elbrus08/>

## CONFERENCE CHAIRMEN

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Karamurзов B.S., Kabardino-Balkaria State University (KBSU), Nalchik, Russia  
Temrokov A.I., KBSU, Nalchik, Russia

## CONFERENCE ORGANIZING COMMITTEE

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Savintsev A.P., KBSU, Nalchik, Russia  
Simonenko V.N., RFNC-VNIITF, Snezhinsk, Russia

## GENERAL INFORMATION

The XXIII Annual International Conference on Equation of State for Matter will be held at the Educational-Scientific Base of KBSU in Elbrus village, Kabardino-Balkaria Republic of Russian Federation, from Saturday, March 1, to Thursday, March 6, 2008.

## CONFERENCE FOCUS

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

## CONFERENCE TOPICS

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

## PROGRAM COMMITTEE

### Session 1. Equations of State for Matter

- Khishchenko K.V., JIHT RAS, Moscow

- Shpatakovskaya G.V., Institute for Mathematical Modeling of RAS, Moscow

### Session 2. Shock Waves. Detonation. Combustion

- Kanel G.I., JIHT RAS, Moscow

- Milyavskiy V.V., JIHT RAS, Moscow

### Session 3. Power Interaction with Matter

- Efremov V.P., JIHT RAS, Moscow

- Mintsev V.B., IPCP RAS, Chernogolovka

### Session 4. Physics of Low-Temperature Plasma

- Iosilevsky I.L., Moscow Institute of Physics and Technology, Dolgoprudny, Moscow Region

- Petrov O.F., JIHT RAS, Moscow

## REGISTRATION FEE

The registration fee is \$300 for foreign participants. The fee includes conference materials, living accommodation, breakfasts, lunches, dinners, refreshments during breaks, conference banquet.

## CALENDAR OF EVENTS

- December 25, 2007 — pre-registration form, abstracts, and full-length papers due deadline
- January 25, 2008 — abstracts and papers acceptance letters, registration and lodging information mailed to authors
- February 29, 2008 — arrival to Elbrus
- March 1-5, 2008 — the Conference sessions
- March 6, 2008 — departure from Elbrus

## PRE-REGISTRATION FORM

1. Name
  2. Title
  3. Affiliation
  4. Affiliation (abbreviation)
  5. Position
  6. Mail address
  7. Phone
  8. Fax
  9. Email
  10. Title of presentation
  11. Author, co-authors
  12. Preferable type of presentation (oral / poster)
- Please submit the registration form together with an abstract via email [elbrus@ihed.ras.ru](mailto:elbrus@ihed.ras.ru).

## PREPARING AND SUBMITTING ABSTRACTS

An abstract (figures free) should be not more than 1 page of A5 format. Margins — 1.8 cm left, 2 cm others. Font — Arial 9 pt. Spacing — single. Please submit your abstract prepared with MS Word 6, 7, 97 or 2000 via email [elbrus@ihed.ras.ru](mailto:elbrus@ihed.ras.ru) before **Tuesday, December 25, 2007, 14:00 GMT.**

## PREPARING AND SUBMITTING FULL PAPERS

A full paper should be not more than 3 pages of A4 format. Margins — 2.5 cm left, 2.25 cm from below, 2 cm others. Font — Arial 9 pt. Spacing — single. Please submit your full paper prepared with MS Word 6, 7, 97 or 2000 via email [elbrus@ihed.ras.ru](mailto:elbrus@ihed.ras.ru) before **Tuesday, December 25, 2007, 14:00 GMT.**

## HOST PLACE

Elbrus village is 18 km far from Mount Elbrus (the highest pike of Caucasus, 5600 m height), 120 km far from Nalchik, which is the capital city of 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 very quiet and peaceful country. Elbrus village is situated in the valley of Baksan river, which starts from Mount Elbrus. All villages in the valley (Elbrus, 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 elevator for seeing Grand Caucasian Mountains with eternal snow from Old Krugozor (3000 m) and Mir (3500 m) stations.

## TRADITIONS

8:00 — breakfast  
9:00 — bus departs from KBSU base to elevators  
9:00–14:30 — alpine program  
14:30 — bus departs from elevators to KBSU base  
15:00 — lunch  
16:00 — scientific program (Conference sessions)  
19:00 — dinner  
20:00 — scientific program continues (optionally)  
The alpine program includes the mountain skiing, walking to Narzan Valley (place with springs of famous Caucasian mineral water), to Shkhelda (ice plato), and other trips.

## CONTACT INFORMATION

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