



XVIII International Conference on

INTERACTION OF INTENSE ENERGY FLUXES WITH MATTER

March 1-6, 2003, Elbrus,
Kabardino-Balkaria, RUSSIA

Supported by
Russian Foundation for Basic Research

The conference email address is elbrus@ihed.ras.ru

Abstracts must be received by December 31, 2002
Full papers must be received by January 25, 2003

CONFERENCE CHAIRMEN

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GENERAL INFORMATION

The XVIII Annual International Conference on Interaction of Intense Energy Fluxes with Matter will be held at the recreation base of KBSU in Elbrus village, Kabardino-Balkaria Republic of Russia Federation, on Saturday, March 1, through Thursday, March 6, 2003.

CONFERENCE FOCUS

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

CONFERENCE TOPICS

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

- Dusty Plasma Physics
- Problems of Physics and Power Engineering, Technology Projects

REGISTRATION FEE

The registration fee is expected \$250 for foreign participants. The fee includes living accommodation, refreshments during breaks, conference banquet.

CALENDAR OF EVENTS

- December 31, 2002 — abstracts and registration form due deadline
- January 25, 2003 — full papers due deadline
- February 10-17, 2003 — abstracts and full papers acceptance letters, registration and lodging information mailed to authors
- March 1, 2003 — arrival in Elbrus
- March 1-5, 2003 — the Conference session
- March 6, 2003 — departure from Elbrus

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 registration form at the same time as an abstract via email elbrus@ihed.ras.ru.

PREPARING AND SUBMITTING ABSTRACTS

An abstract 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 by MS Word 6, 7, 97 or 2000 via email elbrus@ihed.ras.ru before **Tuesday, December 31, 2002, 14:00 GMT**.

PREPARING AND SUBMITTING FULL PAPERS

A full paper should be not more than 2 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 by MS Word 6, 7, 97 or 2000 via email elbrus@ihed.ras.ru before **Saturday, January 25, 2003, 14:00 GMT.**

YOUR HOST PLACE

Elbrus village is in 18 km near Elbrus mountain (the highest pike of Caucasus, 5600 m height), in 120 km from Nalchik, which is the capital city of Kabardino-Balkaria Republic, and in 200 km from Mineralnye Vody city. The airports are in both 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 is started from Elbrus mountain. All villages in the valley (Elbrus, Itkol, Cheget, and Terskol) are famous ski resorts with an elevation of roughly 2000 m. This is a region of National Park of extreme natural beauty. It is recommended to visit the Elbrus mountain 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 the Mountain

9:00–14:30 — alpine program

14:30 — bus departs from the Mountain to KBSU base

15:00 — lunch

16:00 — scientific program (Conference sessions)

19:00 — dinner

20:00 — scientific program continues

The alpine programs 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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