



XXXIII International Conference on Equations of State for Matter

March 1–6, 2018
Elbrus, Kabardino-Balkaria, Russia

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and Russian Foundation for Basic Research (grant 18-02-20015)

Post-deadline abstract submission is open until February 1, 2018

Regular articles submission is due on January 21, 2018

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GENERAL INFORMATION

XXXIII International Conference on Equations of State for Matter (ELBRUS 2018) will be held at the Educational-Scientific Base of KBSU in Elbrus settlement and the pension Elbrus in Tegenekli settlement, in the Kabardino-Balkar Republic of the Russian Federation, from Thursday, March 1, to Tuesday, March 6, 2018.

CONFERENCE FOCUS

The technical focus of the conference is on physical properties of matter under extreme conditions at high pressures and temperatures, as well as on physics of phenomena at high energy densities. Invited plenary talks and contributed presentations in oral and poster sessions are planned. The conference will provide for the possibility of non-formal discussions and co-operations.

CONFERENCE TOPICS

- Equations of state and constitutive equations for matter under extreme conditions at high pressures and temperatures
- Shock waves, detonation and combustion physics
- Interaction of intense laser, x-ray and microwave radiation with matter
- Interaction of powerful particle beams with matter
- Techniques of intense energy fluxes generation
- Diagnostics of ultrafast processes
- Low-temperature plasma physics
- Issues of physics and power engineering, technology aspects

CONFERENCE LANGUAGE

The conference languages are English (obligatory for all letters, abstracts, proceedings, posters, presentations and preferably for talks) and Russian (optionally for talks; simultaneous interpreter will be provided).

CALENDAR OF EVENTS

- October 25, 2017 – pre-registration due deadline
- October 25, 2017 – regular abstracts submission deadline
- November 1, 2017 – preliminary program announcement
- December 31, 2017 – final day for regular abstracts correction possibility
- January 15, 2018 – abstracts acceptance letters, registration and lodging information e-mailed to participants
- January 21, 2018 – last day for submitting regular articles for the JPCS proceedings; reviewing procedure start
- January 31, 2018 – last day to submit post-deadline abstracts
- February 1, 2018 – last day for submitting post-deadline articles for the JPCS proceedings (extra payment is needed)
- February 5, 2018 – last day for early-bird registration
- February 20, 2018 – last day for regular registration
- February 28, 2018 – arrival to Elbrus
- March 1–5, 2018 – the conference sessions
- March 6, 2018 – departure from Elbrus
- June 2018 – expected date of publication of the JPCS proceedings

ABSTRACTS

Oral and poster sessions program will appear after reviewing of submitted abstracts. One abstract (one page A5 without figures) per one pre-registered participant is acceptable. The submission system is opened at www.ihed.ras.ru/elbrus18/contribution until Wednesday, October 25, 2017. All accepted abstracts would be published in the Book of Abstracts and on the website of the conference.

JPCS PROCEEDINGS

Most of the conference proceedings will appear in the open access Journal of Physics: Conference Series (JPCS), which is part of IOP Conference Series. All papers published in IOP Conference Series are fully citable and upon publication will be free to download in perpetuity. The journal articles are abstracted in Conference Proceedings Citation Index – Science (CPCI-S) (Thomson Reuters, Web of Science), Compendex, Scopus, Inspec, Chemical Abstracts Service, International Nuclear Information System (INIS), NASA Astrophysics Data System, SPIRES, and VINITI Abstracts Journal (Referativnyi Zhurnal).

Regular manuscripts prepared according to the author guidelines should be submitted for reviewing before 23:59:59 GMT on January 21, 2018, through the link www.ihed.ras.ru/elbrus18/contribution using the assigned user identifier.

Author guidelines and key date for post-deadline papers can be found at www.ihed.ras.ru/elbrus18/proc/jpcs.php.

All submitted manuscripts will be peer reviewed through processes administered by the proceedings Editors. Reviews will

be conducted by expert referees to the professional and scientific standards expected of a proceedings journal published by IOP Publishing.

MORE PROCEEDINGS

Some of proceedings will appear in the Mathematica Montisnigri (www.montis.pmf.ac.me/, lppm3.ru/ru/journalrus/aboutjournal) and the Laser Physics (iopscience.iop.org/journal/1555-6611).

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LOCATION

Elbrus settlement is 18 km from Mount Elbrus (the top pike of the Caucasus at 5642 m), 120 km from Nalchik, which is the capital of the Kabardino-Balkar Republic, and 200 km from Mineralnye Vody, where the nearest international airport is located. Tegenekli settlement is 1.7 km closer to Mount Elbrus. Elbrus and Tegenekli settlements are situated in the valley of the Baksan River, which begins on Mount Elbrus. Some other settlements in the valley (Itkol, Cheget and Terskol) are famous ski resorts at altitude of approximately 2000 m. This valley is in a National Park, which is a region of extreme natural beauty. Visit to Mount Elbrus is possible by cable car for seeing the Greater Caucasus range with permanent snow from the Old Krugozor (3000 m), Mir (3500 m) and Gara-Bashi (3850 m) stations.

CONTACT INFORMATION

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2018
Anniversary 40
of the first session