



**11th International Symposium on Nonequilibrium
Processes,
Plasma, Combustion, and Atmospheric Phenomena
October 7–11, 2024 (Adler, Sochi, Russia)**

Dear Colleague:

We invite you to participate in the 11th International Symposium on Nonequilibrium Processes, Plasma, Combustion, and Atmospheric Phenomena (NEPCAP-2024) to be held in Adler, Sochi, Russia, on October 7–11, 2024.

The traditional scope of Symposium topics:

- Kinetics of elementary processes in plasma, combustion, and atmosphere
- Fundamentals of ignition and combustion of organic, metalized, and synthetic materials
- Physical and chemical processes in low-temperature plasma
- Physics of shock and detonation waves
- Ignition, combustion and detonation in application to jet and internal combustion engines and power plants
- Novel combustion concepts including plasma-assisted and laser-induced combustion
- Physics and chemistry of high-speed gas flows
- Ignition and combustion of gaseous, liquid and solid fuels in high-speed flows
- Novel physical and chemical propulsion concepts
- Physics of clusters and nanostructures
- Combustion, laser and plasma generated aerosols and nanoparticles
- Plasma, laser and combustion assisted technologies
- Gaseous and particulate pollutant formation and pollution control
- Impact of pollutant emission on the atmospheric processes and climate

The official language of Symposium is English/Russian.

Important dates:

by April 15, 2024 — presentation title, authors, correspondence address, and 2-page abstract;

by May 15, 2024 — notification of acceptance;

by July 15, 2024 — a manuscript of condensed paper (prepared according to the requirements on <http://combex.org/journal/en/instructions.htm>);

by August 1, 2024 — Final Announcement with tentative program;

by August 15, 2024 — registration with a reduced fee;

by September 1, 2024 — registration deadline.

The abstract will be published in a book with ISBN and DOI numbers, which is planned to be made available to participants at on-site registration.

For detailed information, please visit the website <https://www.nepcap2024.ciam.ru> or <http://nepcap.conferencecenter.ru>.

If you have any question, please write at: rein@ciam.ru and/or o.frolova@book-print.ru.

Also, please do not hesitate to contact Sergei Frolov (+7-495-9397228) or Alexander Lanshin (+7-495-3615405), Symposium co-chairs, regarding event related questions you may have.

We are looking forward to see you at NEPCAP 2024!

With kind regards,

Sergei Frolov (smfrol@chph.ras.ru)

Alexander Lanshin (ailanshin@ciam.ru)

Co-Chairs of the Symposium