

## XII Scientific and Engineering Conference Supercritical Fluids: Fundamentals, Technologies, Innovations

The XII Scientific and Engineering Conference "Supercritical Fluids: Fundamental, Technologies, Innovations" will be held on July 3–8, 2023 (Tver).

### Organizers

Russian Academy of Sciences  
Ministry of Science and Higher Education of the Russian Federation  
Tver State Technical University  
M. V. Lomonosov Moscow State University  
G. A. Krestov Institute of Solution Chemistry, Russian Academy of Sciences  
Institute of General and Inorganic Chemistry, Russian Academy of Sciences  
Tver Regional Division of the All-Russian Public Organization  
Russian Union of Young Scientists  
CJSC SHAG  
Editorial Board of the Journal "Supercritical Fluids: Theory and Practice"

**Chairperson of the Conference**

Academician of RAS S. N. Kalmykov

**Vice-Chairpersons**

Professor M. G. Kiselev, M. G. Sulman

### Scientific Program

The scientific program of the Conference includes the following subjects:

- Fundamentals of the supercritical state of matter: theory and modeling;
- Physical methods of investigation of SCFs: analysis and diagnostics; methodological aspects;
- Development of catalysts with supercritical compounds, catalysis, organic and inorganic synthesis;
- SCF-based green chemistry processes, environmental protection and waste disposal;
- Processing of CO<sub>2</sub> and natural raw materials (mineral, hydrocarbon, and renewable types); power industry issues;
- Engineering grounds of SCF application: synthesis and modification of functional materials; pharmacy, cosmetology, medicine; food production processes and foodstuffs.

The program of the Conference includes plenary lectures (40 min), invited reports (30 min), oral reports (20 min), oral reports of young scientists (10 min), and poster session.

The Conference will host the III All-Russian Youth Scientific School "Environmentally Friendly Waste Recycling Processes to Obtain New Materials and Energy Carriers" and the XIV All-Russian School Conference of Young Scientists "Supercritical Fluid Technologies for Solving Environmental Problems".

The working languages of the Conference are Russian and English.

**Contacts:** for any questions, please contact Olga Olegovna Parenago, Secretary of the Conference: phone/fax: +7(495)956-1309; e-mail: oparenago@scf-tp.ru; for signing agreement and fee payment, please, contact Natalia Anatolievna Kozhevnikova, e-mail: info@scf-tp.ru.

<http://scftec.isc-ras.ru>