

**Russian Academy of Sciences
Russian Foundation for Basic Research
Perm Region Administration
Perm Federal Research Center
“Institute of Technical Chemistry of Ural Branch of the RAS”**



VI International Conference

TECHNICAL CHEMISTRY: FROM THEORY TO PRAXIS

1st Circular and Call for Participation

**May 21-23, 2019, Institute of Technical Chemistry of Ural Branch of the RAS,
Perm, Russian Federation**

Dear Colleagues,

Institute of Technical Chemistry of Ural Branch of the RAS announces its biannual International Conference “**Technical Chemistry: from Theory to Praxis**” devoted to **85th Anniversary of Prof. Yu.S. Klyachkin, Corresponding Member of the RAS (1934-2000)**.

The Conference, hosted by Institute of Technical Chemistry of Ural Branch of the RAS and financially supported by Perm Region Administration and by the Russian Foundation for Basic Research (Moscow), is scheduled to be held on **May 21-23, 2019**, at **Institute of Technical Chemistry of Ural Branch of the RAS (Acad. Korolev St. 3, Perm, Russian Federation)**.

Sections of the conference:

1. Organic chemistry and heterogeneous processes

Subsection “**Organic synthesis**” includes:

- Investigation in reactivity and in reaction mechanisms of organic synthesis;
- Structure and reactivity of heterocyclic compounds;
- Targeted functionalization of natural compounds;

Subsection “**Heterogeneous processes**” includes:

- Theory and praxis, sol-gel process, extraction and ion flotation, absorption and catalysis.

2. Polymers and Composites

The section includes:

- Synthesis of and investigation in structure and properties of polymers and biopolymers;
- Nanosystems and composites.

Scientific Program

The scientific program will consist of:

- plenary lectures (30 min.);
- oral presentations (15 min.);
- poster session.

All contributions will highlight the latest basic and applied research work in organic chemistry, in material sciences, and share best practices. The conference languages are Russian and English.

Priority Technology Areas

The applied aspect of the Scientific Program covers advanced materials and technologies designed at the Institute of Technical Chemistry:

- Organic chemistry: natural compounds and their derivatives with antiviral and antimicrobial properties;
- Organic synthesis: low-tonnage chemistry for pharmaceutical industry;
- Process chemistry: extraction, sorption, and flotation of non-ferrous metal ions/minerals in hydrometallurgy to process depleted ores and technogenic wastes;
- Nanotechnology: synthesis and investigation in the structure and properties of nano-dispersive fillers for polymeric composites; creation and investigation of super hydrophobic and super oleophobic surfaces;
- Carbonic materials as raw materials for graphites to be used in atomic power engineering, in aircraft and aerospace industry, and in electronics;
- Polymers: (a) functional elastic composites with micro- and nano-dispersive fillers; (b) energy-dissipating polymeric systems based on block-structured polyurethanes; (c) frost-resistant composites for Far North and Arctic regions;
- Composites: elaboration of special-purpose materials for protection of constructional elements, for fire safety.

Registration

Two registration options are proposed:

- (a) online registration;
- (b) via email message to be sent to the Organizing Committee at:
conf@itcras.ru
info@itcras.ru
naimushin.e@itcras.ru

Foreign applicants are requested to submit the following information:

- full name;
- position, academic degree;
- research institution (or company) name;
- country, postal address;
- email address;
- title of presentation;
- preferred session;
- preferred presentation mode (plenary lecture, oral presentation, poster session, participation without presentation);

- necessity of Official letter to apply for Russian visa.

Abstract Submission

The Organizing Committee suggests authors to submit abstracts for their presentations/papers which they wish to be considered for inclusion in the program during the Conference. The abstracts should contain sufficient information for the Committee to be able to make a valid decision as to the intrinsic merit of the presentation and its relevance to the aims of the Conference.

Abstract proposals (as either WORD or PDF files appended) are requested to be submitted electronically at email addresses:

conf@itc.perm.ru

naimushin.e@itcras.ru

Closing date for submissions is **April 1, 2019**. All non-invited speakers will be expected to register as delegates to the “Technical Chemistry: from Theory to Praxis 2019”. Registration will require speakers to pay a registration fee to attend the Conference. Travel and accommodation expenses are the responsibility of each non-invited speaker, and no direct compensation is awarded for speakers at the Conference. Invited (plenary) speakers are exempt from paying registration fee and accommodation expenses. *Your submission of an abstract testifies to the fact that you will accept these financial conditions.*

Publication of Conference Proceedings

Abstracts of plenary and oral presentations will be published in the Conference Proceedings. Abstracts of poster session are to be submitted optionally, at the authors' discretion.

Venue and accommodation

The Conference will be hosted by **Institute of Technical Chemistry of Ural Branch of the RAS (Perm, Acad. Korolev St., 3)**. Accommodation: **Ural Hotel (Perm, Lenin St., 58)**. Single rooms (**3500 rubles/day**) and double rooms (**2300 rubles/day** per person) will be booked. Additional information at:

<https://hotel-ural.com/en/main>

Registration fee

The registration fee amounts to **150 euro** (to be transferred or paid in cash upon arrival in Perm). Students and post-graduate students pay special reduced

registration fee—**75 euro**. The registration fee covers payment for the printing of the Conference Proceedings, information materials and CDs, for transportation, coffee breaks, meals and social events.

Deadline Overview

April 1, 2019—submission of abstracts

May 15, 2019—Conference program

May 20, 2019—arrival of delegates in Perm

For further information please contact:

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*You are welcome to attend the VI International Conference
Technical Chemistry: from Theory to Praxis!*