



National Research  
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**A.V. Zubkov**, TSU, Tomsk, Russia

## REGISTRATION AND ABSTRACT SUBMISSION

To take part in the school-conference you should register online on the website <http://catconf.tsu.ru>. Potential oral and poster contributors are invited to submit an abstract via the website by **May 15, 2024**. The one-page abstract should be prepared in English, a template for abstract preparation is available on the website.

### KEY DATES

**March 25, 2024** – Invitation for abstract submission

**May 15, 2024** – Deadline for abstract submission

**July 10–15, 2024** – Notification of acceptance

**August 20, 2024** – Deadline for registration fee payment

**September 16, 2024** – Conference program distribution

**September 30–October 3, 2024** – Working days

### CONTACT

Tomsk State University, 36 Lenin Ave., Tomsk 634050, Russia; <http://tsu.ru>

#### School-conference organizer

Laboratory of Catalytic Research, Chemical Department, TSU, 49 A. Ivanov Street, Tomsk 634050, Russia;

<https://chem.tsu.ru>

Tel./Fax: +7 (3822) 423944

*Secretary:* Tuguldurova Vera

*E-mail:* [catconf.tomsk@gmail.com](mailto:catconf.tomsk@gmail.com)

#### School-conference on the Internet:

<http://catconf.tsu.ru>

<https://vk.com/catconf>

<https://t.me/CatalysisFromScienceToIndustry>



## The 8<sup>th</sup> International Scientific School-Conference for Young Scientists

# CATALYSIS: from Science to Industry

**Sept 30–Oct 3, 2024, Tomsk, Russia**

## INVITATION

Dear colleagues,

We are glad to invite you to participate in the **8<sup>th</sup> International School-Conference for Young Scientists “Catalysis: from Science to Industry”** to be held on September 30–October 3, 2024 on the basis of Tomsk State University, Tomsk, Russia.

The school-conference became a regular event (held in 2011, 2012, 2014, 2016, 2018, 2020, 2022) organized by Tomsk State University on the basis of the Laboratory of Catalytic Research. The conference is held in order to bring together young scientists and specialists in the field of catalysis and related sciences to disseminate advanced scientific and practical experience, to strengthen relations between catalytic schools in Russia and abroad as well as to form a scientific culture of young researchers.

The theme of the conference covers modern trends in the field of fundamental and applied catalysis featuring the basics of catalyst preparation and production, mechanisms, kinetics and modeling of chemical reactions, promising catalytic processes and application of catalytic processes in industry. Young scientists will be given a great opportunity to become familiar with research works of leading scientists, present and discuss their research results, define promising trends of scientific research, and establish collaborative relations.

## For companies

The companies and organizations dealing with catalyst production or manufacturing of equipment for catalyst preparation or investigation are invited to take part in the School-Conference. The companies will be able to give a company presentation, participate in equipment exhibition, distribute the promotional materials, and publish an advertisement in the Book of conference materials.

## SCIENTIFIC PROGRAM

The scientific program of the school-conference will consist of plenary (45 min) and keynote (25 min) lectures of leading scientists, oral (10 min) and poster presentations of young scientists.

## THE SCOPE OF THE SCHOOL CONFERENCE

### 1. Catalyst preparation

- Scientific fundamentals of catalyst preparation
- Advanced catalytic materials (micro- and mesoporous materials, hybrid materials, MOFs)
- Modern tendencies in development of catalyst preparation methods

### 2. Promising catalytic processes

- Processing of oil and natural gas
- Fine organic synthesis
- Green chemistry. Photocatalysis
- Energy saving and processing of renewable feedstocks. Fuel cells, electrocatalysis

### 3. Physical-chemical fundamentals of catalysis

- Kinetics and mechanism of catalytic reactions. Investigation of catalytic properties
- Modern research methods in catalysis. In situ and operando research
- Theoretical modeling of catalytic processes

### 4. Industrial implementation of catalytic processes

- Fundamentals of industrial catalyst preparation
- Development of chemical processes and reactors
- Catalyst deactivation and regeneration
- Catalytic process engineering

**The official language of the conference is English.**

## PUBLICATIONS

All accepted abstracts will be published in Proceedings of the school-conference.

## REGISTRATION FEE

| Registration categorie                      | Registration fee |
|---------------------------------------------|------------------|
| Academic participants                       | 6 000 Rub        |
| Industrial participants                     | 14 000 Rub       |
| Thesis publication in the Book of Abstracts | 1 500 Rub        |

## SCHOOL-CONFERENCE VENUE

The school-conference will be held in Tomsk, the oldest Siberian educational, scientific and innovative center. The city is famous for its monuments of wooden and stone architecture of the XVIII-XX centuries.

The main events of the conference will be held in the old building of the Scientific Library of Tomsk State University. The building was constructed according to the project of gifted Siberian architect A.D. Kryachkov in 1912–1914 on the territory of the University grove. Today, the halls of old building serve as conference rooms with up-to-date multimedia facilities, where various top-level events are held.

## SOCIAL PROGRAM

Participants will be invited to the Welcome reception, and excursion.

