



**XIV International Conference of Students, PhD students and Young scientists**  
**"PROSPECTS OF FUNDAMENTAL SCIENCES DEVELOPMENT"**  
**Russia, Tomsk, April 25-28, 2017**  
<http://science-persp.tpu.ru>

Ministry of Education and Science of Russian Federation  
National Research Tomsk Polytechnic University (TPU)  
National Research Tomsk State University (TSU)  
Tomsk State University of Architecture and Building (TSUAB)  
Tomsk State University of Control Systems and Radioelectronics (TUSUR)  
Tomsk National Research Medical Center of the Russian Academy of Sciences

### INVITATION

Organizing committee cordially invites students, PhD students and young scientists to participate in the XIV International Conference "Prospects of Fundamental Sciences Development" to be held on **April 25-28, 2017** in Tomsk, Russia.

Conference Sessions:

- 1. Physics:** condensed matter physics; surface physics; accelerator physics; hydrogen energetics; geophysics; physical process modeling.
- 2. Chemistry:** synthesis and properties of functional materials; physicochemical analysis methods for materials; nanomaterials; ecology; organic synthesis; catalysis and petrochemistry.
- 3. Mathematics:** mathematical modeling and data analysis; mathematical methods in physics, chemistry, biophysics, biology, economics, medicine, psychology; mathematical logic and its applications; computational mathematics; differential equations.
- 4. Biology and Fundamental Medicine:** anatomy and physiology (including pathological states); immunology; neurology and psychiatry; cell biology and histology; genetics; biochemistry and molecular biology; microbiology and virology; biophysics; biotechnologies; bioengineering; pharmacology and pharmacognosy; cybernetics and bioinformatics; biomaterials: *in vitro* and *in vivo* studies.
- 5. Economics and Management:** institutional and industrial economics; innovation policy and entrepreneurship; tax policy and regulation, finance, money circulation and credit; accounting, analysis and audit; statistics; management; labor economics; mathematical and data methods in economics, management and business; development of state and municipal management system; international economic relations; multidisciplinary economic researches.
- 6. Construction and Architecture:** construction method; construction materials, products and constructions; nanotechnologies in construction; electrotechnics and electromechanics; science of machines and mechanics; engineering geology; architectural design technique; history and theory of architecture; restoration and reconstruction of architectural heritage; design of architectural environment. Within the framework of the session, the **Contest of Architectural Projects "Red lines"** in the "Private House"; "Interior Design"; "Architecture and Urban Planning", "Second Life of Historical Buildings" categories is held.
- 7. Information Technologies and Electronics:** intelligent control systems; automated data processing and control systems; information security; nanoelectronics; production and research of nanomaterials; optoelectronics and nanophotonics; plasma emission electronics; intelligent power electronics; microwave electronics; systems of radiolocation, TV, radio, radiometry and wave propagation of radio frequency and acoustic bands; pulse and radio frequency measurements.

Form of participation: **oral presentation**. Conference proceedings will be posted on the Conference website as an electronic collection and included in **RSCI**. Conference working languages: **Russian, English, German, French**. The best report contest will be held in each session (including presentations made in a foreign language). Selected papers from the conference will be considered for publication in the **SCOPUS / Web of Science** indexed journals, as well as in "Tomsk State University Journal of Chemistry", "Tomsk State University Journal of Biology", "Proceedings of Tomsk State University of Control Systems and Radioelectronics". To participate in the conference, authors should register and upload their papers in electronic form ([hyperlink](#)) using personal page on the Conference website before **March 1, 2017**.

Registration fee is **1000 RUB**. It covers: costs of the program and Conference proceedings publication, coffee-breaks, tours of the laboratories. Within the framework of the Conference, the **professional development program** "Modern trends in the production and investigation of functional materials" is organized (participants will be provided with a certificate; participation fee is **700 RUB**).

Payment from individuals can be made in Offices of Sberbank or by means of the SberBank On-line system. Cash payment is available in the Accounting Office of TSU. Detailed information on payment is presented on the Conference website in the "Payment" section. Receipt copy is to be uploaded on the Conference website before **April 1, 2017**. To make a non-cash payment for a participant, the contractual agreement and certificate of services provided have to be completed and signed by legal entities before **April 1, 2017** (see sample and information on the site). **Participation in the conference and publication of Conference Proceedings are possible only after registration fee payment before April 1, 2017.**

**Non-resident participants should make their own reservations by contacting hotels directly.** The list of the recommended hotels will be available on the Conference website. Residence in Healthcare Centre of TPU is also possible.

## Session Heads:

1. Physics: Nadezhda V. Chistyakova, [chistyakovanv@tpu.ru](mailto:chistyakovanv@tpu.ru), +7-903-951-4554
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10. Reports in foreign languages: Yu.P. Azhel, [azhei@tpu.ru](mailto:azhei@tpu.ru), +7-913-104-40-00
11. Conference website: Vladimir N. Vichugov, [vlad@tpu.ru](mailto:vlad@tpu.ru), +7(3822)701777 ad. 2203
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## Conference Program Committee

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## Conference Organizing Committee

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	Senior teacher, TSUAB, Tomsk

## Deadlines:

<b>March 1, 2017</b>	Registration and Paper Submission Deadline
<b>March 15, 2017</b>	Acceptance Notification
<b>April 1, 2017</b>	Registration Fee Payment
<b>April 10, 2017</b>	Submission of Full Papers in Journals indexed by SCOPUS
<b>April 10, 2017</b>	Submission of Projects for Architectural Contest
<b>April 25, 2017</b>	Conference