



**Bogolyubov Institute for Theoretical Physics  
of the National Academy of Sciences of Ukraine**



**VIII Conference of Young Scientists  
Problems of Theoretical Physics**

**December 12 – 14, 2017**

**ORGANIZING COMMITTEE**

*Head – Academician of NAS of Ukraine, Prof Dr. Anatoly Zagorodny;*

Ph.D. Ivan Starodub; Ph.D. Volodymyr Kravchuk; Ph.D. Sergiy Perepelytsya; Ph.D. Yuliya Bezvershenko; Ph.D. Anastasiya Rebish; Oleksandr Chernyak; Ph.D. Volodymyr Shapoval; Ph.D. Kostyantyn Ershov; Ph.D. Oleksiy Ivanytsky; Ph.D. Dmytro Piatnytskyi; Denys Savchenko; Oleksiy Zdorevskiy.

**TOPICS OF THE CONFERENCE**

High energy physics, astroparticle physics, quantum cosmology, theory of nuclear systems, quantum field theory, theory of symmetries, theory of nonlinear processes in macromolecular structures, nanosystems and plasmas, dynamics of open strongly nonequilibrium physical, biological, economic and information systems.

**SECTIONS**

- 1. Astrophysics and Cosmology**
- 2. Mathematical Physics**
- 3. Statistical Theory of Many-body Systems**
- 4. Physics of Biological Macromolecules**
- 5. Condensed Matter Physics**
- 6. Physics of Nuclei and Elementary Particles**

The lectures of leading scientists will be presented in each section.

**We invite** the undergraduate and postgraduate students and the young scientists. Maximum age of a participant is **35**. Working languages of the Conference are **English, Ukrainian**. There are oral and poster talks. We provide **20 min** for an oral talk. Proceedings of the best talks will be recommended for publishing in the *Ukrainian Journal of Physics*.

**Registration fee** – tentatively **150 UAH** – includes Conference Program and Book of Abstracts, and Coffee-breaks. For undergraduate students the registration fee is reduced to tentatively **75 UAH**. Organizing Committee assists the accommodation for participants from other towns.

**To participate** in the Conference you need to fill the Registration Form, prepare one-page **English** Abstract of your talk according to the example and send them to the Organizing Committee *via* e-mail [confyoung@bitp.kiev.ua](mailto:confyoung@bitp.kiev.ua). For additional information, please contact: <http://confyoung.bitp.kiev.ua>

**October 15 is the deadline for Abstract and Registration Form submission**