



BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY

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XXII International Meeting Physical Interpretations of Relativity Theory – 2021

Monday 5th July – Friday 9th July 2021

Dear Colleague,

On behalf of the Conference Committee PIRT-2021 we would like to formally invite you to participate at the **Physical Interpretations of Relativity Theory** conference this year in the Bauman University, Moscow during the period **July 5th to 9th, 2021**.

The meeting of the PIRT-2021 conference will be held in the Great Hall, which will allow you to make a presentation both remotely and in person, in compliance with sanitary and epidemiological requirements. All reports are accompanied by simultaneous translation.

The PIRT Conference is an international scientific event that originated in 1988 and was first held at Imperial College in London once every two years, and since 2003 it has been held at Bauman University in Moscow. The main objectives of the conference are to discuss the physical, geometric, and mathematical interpretation of the theory of relativity, its experimental verification and discussion of alternative theories of gravity, optical methods for detecting gravitational waves, new effects of moving-media optics and relativistic electrodynamics, as well as astrophysical observations and space experiments. The XXIth PIRT-2019 conference was held at a high international scientific level. 138 scientists from 14 countries attended the conference, including 36 foreign participants. Well-known scientists, such as Prof. Louis Hirsch Kauffman, Prof. Innocenzo M. Pinto, Prof. Bivudutta Mishra, Prof. Vladislav Pustovoit, and others gave their plenary presentations. The conference also received grants from the Russian Foundation for Basic Research and The Optical Society (OSA). There is more information on the website <http://www.pirt.info/?lang=eng>.

The Conference Program of the PIRT-2021 will include papers dealing with the following major themes:

Gravitation, cosmology and large-scale structure

Gravitational waves and experimental tests of the relativity theory

Relativistic electrodynamics

High energy astrophysics

Modern problems of classical and quantum field theory

This is not an exhaustive list, and colleagues wishing to submit papers dealing with different subjects should send an outline of their proposed presentation to the organizers of the conference.

CONFERENCE SPONSORS

The State Duma Committee on Education of the Russian Federation; Department of Physics; of Liverpool; Great Britain; Russian Gravitational Society; Moscow Physical Society; The International Society on General Relativity & Gravitation; British Society for the Philosophy of Science; Calcutta Mathematical Society.

INTERNATIONAL ADVISORY COUNCIL

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Prof. Yee Jack Ng, University of North Carolina - UNC, USA

SUBMISSION OF ABSTRACTS & PAPERS

Abstracts (one page of text) in English offered for inclusion in the PIRT-2021 Program should be sent to the Conference Committee **before April 15st, 2021**.

Papers (5-10 pages of text including figures) in English should be sent to the Conference Committee **before August 1st, 2021**.

Authors should prepare their abstracts and articles using the guidelines and templates found at <http://www.pirt.info/?lang=eng#format> and then submitted in two formats - PDF and Microsoft Word (or LATEX).

According to the results of the conference some papers will be selected for publishing in a separate issue of Journal of Physics: Conference Series (JPCS). (<http://iopscience.iop.org/journal/1742-6596>). The articles should be thoroughly revised and put into shape in according to requirements.

REGISTRATION FEE

The registration fee for personal participation in the conference is 200Euro.

The registration fee for remote (online) participation in the conference is 100Euro.

Financial support is provided for scientists from developing countries, for students and post-graduate students.

ACCOMMODATION

We suggest you to reserve a room by yourself in the Izmailovskii Tourist Hotel Complex (Izmailovskoe Shosse, 71, 3V, Moscow, 105187. E-mail: book@hotel-vega.ru, www.hotel-vega.ru or <http://en.hotel-vega.org/>).

The hotel is near the underground station "Partizanskaya" (3 station from the underground station "Baumanskaya" and Bauman Moscow State Technical University).

TRANSLATION

English and Russian languages are the working languages at the conference. The Organising Committee will arrange interpretation during official parts of the Meeting.

CONTACTS

Information concerning the PIRT Conference will be posted on the PIRT web-site <http://www.pirt.info/?lang=eng>.

All enquiries concerning length of abstracts, papers, registration, accommodation, etc. should be sent to the Conference Committee preferably by e-mail to **Prof. Vladimir O. Gladyshev** dekan-fn@mail.ru.

All enquiries concerning the London PIRT conferences should be sent to **Dr. P. Rowlands**, University of Liverpool, Liverpool, United Kingdom P.Rowlands@liverpool.ac.uk.

To participate in the Conference, please register on the web-site http://www.pirt.info/?lang=eng#req_form.

CONFERENCE ADMINISTRATION CONTACTS

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Corr.-Member of RAS, Prof. Andrei N. Morozov, Bauman MSTU, Moscow, Russia amor@mx.bmstu.ru.

With best regards,

Conference Committee PIRT-2021