



BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY

5, 2-nd Baumanskaya Street, Moscow, 105005 Russia

<http://fn.bmstu.ru/en/research-fs-en>

<http://www.pirt.info/?lang=eng>

*The State Duma Committee on Education of the Russian Federation;
Department of Physics; University 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*

XXI International Meeting

Physical Interpretations of Relativity Theory – 2019

Monday 1 July – Friday 5 July 2019

Dear Colleague,

There is to be a conference on *Physical Interpretations of Relativity Theory* in the **Bauman Moscow State Technical University** between **Monday 1st July to Friday 5th July 2019**.

The PIRT Conference is an event held in September since 1988 at Imperial College in London and since 2003 at Bauman University in Moscow. These objectives are the physical, geometrical, and mathematical interpretations of the formal structure of Relativity Theory, and to examine the questions concerning the various interpretations of the accepted mathematical expression of the Relativity Principle.

The XXth PIRT-2017 conference was held at a high international scientific level. 161 scientists from 27 countries attended the conference, including 61 foreign participants. Well-known scientists, such as Prof. Dadhich Naresh, Prof. Blair David, Prof. Louis Hirsch Kauffman, Prof. Mairi Sakellariadou, Prof. Vladislav Pustovoit and others gave their plenary presentations. Moreover, on PIRT-2017 the journal Nature Physics organised the best poster report competition. The conference also received grants from the RFBR and the British Embassy in Moscow. There is more information about the 2017 conference on the website <http://www.pirt.info/?lang=eng>

The Conference Program of the PIRT-2019 will include papers dealing with the following major themes:
Gravitation, cosmology and large-scale structure
Gravitational waves and experimental tests of the relativity theory
Space-time, topology and differential geometry
Relativistic electrodynamics

High energy astrophysics
Nature and models of physical vacuum

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.

INTERNATIONAL ADVISORY COUNCIL PIRT-2019

Vladislav Pustovoit (Chairman), Russian Academy of Science, Bauman University, Russia
Andrey Morozov (Co-Chairman), Bauman University, Russia
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David Blair, University of South Western Australia, Australia
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Alexei Starobinsky, Landau Institute for Theoretical Physics, Russia
Roland Triay, Centre de Physique Theorique CNRS - University de Provence, France
Rainer Weiss, Massachusetts Institute of Technology, United States

CONFERENCE ADMINISTRATION: ADDRESSES

The **International Organizing Committee of PIRT-2019** is directed by:

Prof. A.A. Aleksandrov, Rector of Bauman University, Russia
Prof. V.O. Gladyshev, Head of Fundamental Science Faculty, Bauman University, Russia (dekan-fn@mail.ru)
Prof. P. Rowlands, University of Liverpool, United Kingdom (P.Rowlands@liverpool.ac.uk)

The **Academician Committee of PIRT-2019** is directed by:

Member of RAS, Prof. V.I. Pustovoit, RAS, Bauman University, Russia (vlad_pst@yahoo.com)
Prof. A.N. Morozov, Head of Physics Dept., Bauman University, Russia (amor@mx.bmstu.ru)

Postal Communications may be sent to:

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5, 2-nd Baumanskaya st., Moscow 105005, RUSSIA
Prof. P. Rowlands, (P.Rowlands@liverpool.ac.uk)
University of Liverpool, Liverpool, United Kingdom

SUBMISSION OF ABSTRACTS & TEXTS

Abstracts (one page of text) in English offered for inclusion in the PIRT-2019 Program should be sent to the Local Organizing Committee **before 1st March 2019**.

Papers (5-10 pages of text including figures) in English should be sent to the Local Organizing Committee **before 1st May 2019**.

Authors must prepare their abstracts and papers using Microsoft Word according to **the guidelines and templates** (you can find them on <http://www.pirt.info/?lang=eng#format>), and then convert these files to PDF.

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.

Colleagues from countries outside Russia should note that a visa is required for entry into the country, and it is essential to leave time for applying for this document which may take one or two months to obtain, sometimes longer. It is therefore in the interests of all non-Russian participants to prepare for participation in the PIRT conference by the earliest date possible.

REGISTRATION FEE

The registration fee is 200 Euro.

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 AND EXCURSIONS

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

The Organizing Committee plans to organize an excursion about the centre of Moscow and to BMSTU Museum. Participants may also inform the Committee about other places of interest, which they desire to visit.

WEB-SITE

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 Organizing Committee preferably by e-mail to **Prof. V.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#reg_form

*With best regards,
Organizing Committee*