INTERNSATIONAL SUMMER SCHOOL

PHYSICS AND FUTURE TECHNOLOGY CHANGES

Jul 2 – Jul 14, 2023

Harbin Institute of Technology, Harbin, P.R. China

GENERAL INFORMATION

The International Summer School of “Physics and Future Technology Changes” at Harbin Institute of Technology aims to provide undergraduate students majoring in physics and related fields at home and abroad with a platform to understand the latest development and applications of physics, to provide opportunities for students at home and abroad to exchange and learn, to create an atmosphere for professional English learning and improvement, and to promote students majoring in related fields to further understand the field and stimulate more youths’ research interests.

ATTENDANCE REQUIREMENTS

Undergraduate or graduate attendees with background in general physics are welcomed. All participants must have a good command of English.

LECTURES AND TALKS

The summer school offers 4 lectures and 12 seminars. Lecturers and speakers are invited from top institutions in Russia, Singapore and China.

<table>
<thead>
<tr>
<th>Lecturer/Speaker</th>
<th>Institution</th>
<th>Topic</th>
<th>Units (50mins/unit)</th>
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<tbody>
<tr>
<td>Prof. Vladimir Yu. Venediktov</td>
<td>Saint Petersburg National University of Electronic Technology</td>
<td>L1: Introduction to modern optics</td>
<td>10 (lecture)</td>
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<tr>
<td>Prof. A. S. Chirtsov</td>
<td>Saint Petersburg National University of Electronic Technology</td>
<td>L2: Demonstrations on the course of general physics and theoretical interpretation of the observed phenomena in Classical physics</td>
<td>10 (lecture)</td>
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<tr>
<td>Prof. O. S. Alekseeva</td>
<td>Saint Petersburg National University of Electronic Technology</td>
<td>L3: Introduction to relativistic and quantum physics</td>
<td>10 (lecture)</td>
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GROUP RESEARCH PROJECT

According to the International Young Physicists Tournament (IYPT), eight topics that are easy to operate, interesting, and rich in physical content have been selected as research topics. Students sign up voluntarily, with 3-4 people in each group, equipped with a guidance team of professors in the Schools of Physics.

PROGRAM DATES AND TIMES
(GR is the abbreviation for Group Research)

**CONTACT INFORMATION**

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