

## Global Summer School

## Physics and the Future of Technology

July 20–31, 2026

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

**Contact Information**

For further inquiries, please contact: physics\_summer\_sch@163.com

**General Information**

The International Summer School on “Physics and the Future of Technology” at Harbin Institute of Technology is designed to provide undergraduate students majoring in physics and related fields at home and abroad with a platform to understand the latest developments and applications of physics. It also aims to foster opportunities for academic exchange and learning among students from diverse backgrounds, create an environment that supports the development of academic English proficiency, and encourage students in related fields to further their understanding of the discipline, thereby inspiring greater research interest among young scholars.

**Attendance Requirements**

Participants at the undergraduate or graduate level, with a background in general physics are welcome to participate. Proficiency in English is required for all participants.

**Lectures and Talks (Tentative)**

The summer school comprises 2 lectures and 4 seminar talks delivered by distinguished speakers invited from top institutions in Russia, Singapore and China.

Lecturer/Speaker	Institution	Topic	Units(50mins/unit)
Prof. Rybin Mikhail	Ioffe Physical-Technical Institute of the Russian Academy of Sciences	L1: Advanced Photonics	16 (lecture)
Prof. Shelyapina Marina	Saint Petersburg State University	L2: Quantum Physics	16 (lecture)
Prof. Ahmedov Bobomurat	New Uzbekistan University	T1: Exploring the Frontiers of the Universe	4 (talk)
Prof. Chu Xiangqiang	City University of Hong Kong	T2: The Peculiar Neutron	4 (talk)
Prof. Cao Liangcai	Tsinghua University	T3: Intelligent holographic photonics	4 (talk)
Prof. Liu Guigeng	Westlake University	T4: Topological Photonics	4 (talk)

**Group Research Project**

In accordance with the International Young Physicists Tournament (IYPT), eight research topics have been chosen for their experimental feasibility, interest, and rich physical content. Students may sign up voluntarily, forming groups of 3–4 individuals, each supported by a guidance team comprising professors from the schools of physics.

**Program Dates and Times**

	Week 1 (July 20–26)							Week 2 (July 27–31)				
	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri
M	L1	L1	L1	L1	T3	VL	VL	L2	L2	L2	L2	T4
	L1	L1	L1	L1	T3	VL	VL	L2	L2	L2	L2	T4
A	T1	T1	T2	T2								

(Registration: July 19, 2026. “VL” is the abbreviation for “visiting learning”)