

INTERNATIONAL SUMMER SCHOOL

OPTOELECTRONIC INFORMATION MATERIALS AND DEVICES

Jun 25th - Jul 8th, 2023

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

GENERAL INFORMATION

Optoelectronic information materials and devices play an important role in the development of technology fields today. Based on multidisciplinary integration, novel optoelectronic materials and devices have changed to the new generation of information, display, space and environment. Optoelectronic Information Materials and Devices International Summer School offers a variety of courses and lectures that focus on the latest research, design and applications. It is an excellent opportunity for participants to get access to frontiers of optoelectronic information materials and devices, to improve professional competence, and to make academic friends worldwide.

ATTENDANCE REQUIREMENTS

Undergraduate or graduate attendees with background in materials, chemistry, electronics, etc. are welcomed. All participants must have a good command of English. Some lectures will be given in English or Chinese with translation in English.

COURSES AND LECTURES

The international summer school offers a series of professional courses and lectures. Lecturers and speakers are invited from top institutions in America, Britain, Sweden, Korea, Denmark and China. The teaching team is composed of top-rank experts in the field of optoelectronic materials and devices, including two academicians of the Chinese Academy of Sciences and an academician of the European Academy of Sciences.

Lecturer	Institution	Topic
Prof. Wei Huang	Northwestern Polytechnical University, China	Technological Innovation Led by Flexible Electronic Technology
Prof. Iain McCulloch	University of Oxford, Britain	Design of Semiconducting Materials for Organic Electronic Applications
Prof. Alex K.-Y. Jen	City University of Hong Kong, China	Integrated Material, Interface, and Process Engineering for Highly Efficient Organic, Perovskite, and Hybrid Devices
Prof. Jianwu Xu	Linköping University, Sweden	Growth of High Quality Graphene and Cubic Silicon Carbide for Clean Energy Applications
Prof. Cunjiang Yu	The Pennsylvania State University, America	Flexible Optoelectronic Device Design for Health
Prof. Donghong Yu	Aalborg University, Denmark	Optoelectronic Material Design and Optimization
Prof. Bumjoon J. Kim	Korea Institute of Science and Technology, Korea	Bicontinuous Structure in Elastomeric Electrolytes for High-Energy Solid-State Lithium-Metal Batteries
Prof. Wei Zhang	University of Surrey, Britain	Heterojunction Structure Regulation and Performance Optimization

RESEARCH PROJECTS

Participants will improve themselves by discussing with the lecturers and participating in the optoelectronic design competition. Rich and varied, some activities are also arranged, such as visits to the museums and attendance to the graduation ceremony.

PROGRAM DATES AND TIMES

The International Summer School lasts for two weeks. The participants should arrive on time.

	Week 1 (6.26-7.2)					Week 2 (7.3-7.8)				
	Mon	Tue	Wed	Thur	Fri	Mon	Tue	Wed	Thur	Fri
M	Opening	Lecture	Course	Course	Lecture	Course	Course	Lecture	Competition	Visit
A	Lecture									Graduation

CONTACT INFORMATION

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