Global Summer School

Electrical Intelligence: Driving the Future

July 20–Aug. 1, 2026

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

Contact Information

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General Information

The "Electrical Intelligence: Driving the Future" International Summer School at Harbin Institute of Technology aims to provide a platform for undergraduates majoring in electrical engineering and related fields at home and abroad to explore cutting-edge developments and applications in the electrical engineering discipline. The program offers opportunities for students from around the world to exchange ideas and learn from each other, fostering an atmosphere of international professional study and exchange. The program highlights key areas such as smart manufacturing, smart energy, and smart cities, underscoring the societal relevance and global impact of electrical intelligence.

Attendance Requirements

The summer school is open to undergraduate and graduate students with backgrounds in electrical engineering, control science and engineering, or electronic information engineering. Proficiency in English is required.

Lectures and Talks（Tentative）

The summer school offers 3 lectures and 4 seminar talks. Lecturers and speakers are invited from top institutions in China and Europe.

Lecturer/ Speaker	Institution	Topic (preliminary)	Units (50 mins/unit)
Prof. José Marcos Alonso Alvarez	University of Oviedo, Spain	Introduction to Lighting Driver Technology	16 (lecture)
Prof. Alistair Duffy	De Montfort University, UK	Electromagnetic Compatibility	16 (lecture)
Prof. Denis Sidorov	Harbin Institute of Technology, China	Design of Power Supply in Special Equipment	16 (lecture)
Prof. Dianguo Xu	Harbin Institute of Technology, China	Emerging Technologies in Electrical Engineering	1 (talk)
Prof. Liyi Li	Harbin Institute of Technology, China	National Science Project	1 (talk)
Prof. Yi Sui	Harbin Institute of Technology, China	Permanent-Magnet Synchronous Machines with Complementary Utilization of Permanent Magnets	1 (talk)
Prof. Binbin Li	Harbin Institute of Technology, China	Modular Power Electronics: Advances and Challenges	1 (talk)

Group Research Project

Participants will be grouped into 6 teams or more, each with 7-10 members, to work on a project on structural principles and virtual disassembly of new energy vehicles. Each team will choose one focus area from a set of four thematic tracks.

Program Dates and Times

<table>
<tr><th></th><th colspan="6">Week 1 (July 20—25)</th><th colspan="6">Week 2 (July 27—Aug. 1)</th></tr>
<tr><th></th><th>Mon</th><th>Tue</th><th>Wed</th><th>Thur</th><th>Fri</th><th>Sat</th><th>Mon</th><th>Tue</th><th>Wed</th><th>Thur</th><th>Fri</th><th>Sat</th></tr>
<tr><td>M</td><td>Opening Ceremony</td><td colspan="3">Lecture</td><td rowspan="2">Lecture</td><td rowspan="2">Tour</td><td colspan="2" rowspan="2">Lecture</td><td>Seminar</td><td>Seminar</td><td rowspan="2">Defense</td><td rowspan="2">Closing Ceremony</td></tr>
<tr><td>A</td><td colspan="2">Lecture</td><td colspan="2">Seminar</td><td colspan="2">Group Research</td><td>Lecture</td><td>Seminar</td></tr>
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(Registration: July 19, 2026)

Please note that the program schedule is subject to change based on actual circumstances.