ZJU-ELEDIA Summer School

Green Electromagnetic Spectrum

From Physical Limits of Information to Integrated Communications, Sensing, and Power Transfer

This course explores the deep integration of **communication**, **sensing**, and **power transfer** to redefine the green boundaries of **next-generation wireless systems**. By breaking disciplinary barriers, participants will investigate the technologies required to build a **"zero-power, zero-blind-spot, and energy-self-sufficient"** digital world

Program

- **Module 1 (July 23-24):** Electromagnetic Information Theory
- **Module 2 (July 25-26):** Integrated Sensing And Communication (ISAC)
- **Module 3 (July 27-28):** Spectrum-Efficient Near-Field Communications
- ***Culture* *(July 29-30):*** *Chinese Heritage & Hangzhou Exploration*
- **Module 5 (July 31-Aug 2):** Surface EM Engineering & Smart Environments
- **Module 6 (Aug 3-4):** Megahertz Wireless Power Transfer Systems
- **Examination (Aug 5):** ZJU-ELEDIA E-XAM & Graduation

Distinguished Lecturers

Prof. SHA Wei E. I.
IEEE Fellow
Zhejiang University

Prof. CHEN Xudong
IEEE Fellow
National University of Singapore

Prof. DAI Linglong
IEEE Fellow
Tsinghua University

Prof. MASSA Andrea
IEEE Fellow
University of Trento

Prof. OLIVERI Giacomo
IEEE Fellow
University of Trento

Prof. MA Chengbin
IEEE Fellow
Shanghai Jiao Tong University

General Information

Dates
July 23 - August 5, 2026

Location
Zhejiang University, Hangzhou, China

Recruitment
Max 40 elite PhD students (50% International to ensure a diverse academic environment)

Register here

Deadline
April 18, 2026

Organized by