

Call for Student Projects IEEE Global Student Wireless Power Competition

IEEE WPTCE 2027, 2-5 July Chongqing, China

The IEEE Global Student Wireless Power Competition encourages young researchers to participate in the development of WPT (Wireless Power Transfer) technologies and showcases WPT capabilities to promote public acceptance and practical applications of WPT systems.

FIRST STAGE

Initial design project proposal: a project proposal **within 10 pages** (in a single column standard technical report format, excluding appendices) should at least contain an introduction, objectives of the project, design concept, budget, conclusion, and a list of the references cited. Project proposals exceeding the number of pages will lose 10% of the points per extra page.

Proposals must describe an innovative wireless power transfer project with a power level not exceeding 200W. Each project must include a functional hardware prototype suitable for on-site demonstration.

A report will be judged through a **double-blind review** process. Any proposal with disclosed names of universities and/or students will be disqualified from the competition.

Submission Procedure:

- Please submit the report to the following email address:
wptce.studentcompetition.2027@wptce2027.org.cn
- In your email (NOT in the report), include the full names of all team members and your university affiliation

Assessment of initial proposal:

- Novelty of the project
- Correctness of the concepts and theoretical analysis
- Results and/or final performance
- Potential of an impressive live demonstration

Formerly IEEE MTT-S Wireless Power Transfer Conference (WPTC) & IEEE PELS Workshop of Emerging Technologies: Wireless Power (WoW) and part of Wireless Power Week

IMPORTANT DATES

November 26, 2026 | Design Proposal Submission Deadline

January 23, 2027 | Finalist Nomination Notification

June 20, 2027 | Video Upload

July, 2027 | WPTCE Student Final Competition

SECOND STAGE

- 1) Project selected on merit by the judging panel will advance to the next phase.
- 2) The **selected teams** are required to create a **short video** explaining how the project works and demonstrating the concept of power transfer. The video should be no longer than 10 minutes, and it should show all parts of the project.
- 3) On-site with practical demonstrations at WPTCE 2027 Conference.

The performance of the hardware prototype during the on-site demonstration will be a key evaluation criterion in the final stage of the competition.

Each team may consist of up to five undergraduate and /or postgraduate student who are still enrolled as of December 2026. Staff members may serve only as advisors.

Student participation in the on-site demonstration may be eligible for financial support or a subsidy. Please contact the conference organizing committee for details. Eligibility and the amount of support are subject to the committee's assessment and approval.

WPTCE 2027 Student Competition Chair

- Zhichao Luo, South China University of Technology

WEBSITE:

<https://www.wptce2027.org>

CONTACT:

wptce.studentcompetition.2027@wptce2027.org.cn

