

Student Competition on Electric Transportation Design – Automotive, Vessel and Aircraft

05–07 June 2024

<http://perc.polyu.edu.hk/pesa2024.html>

Hong Kong

Education Committee

Chair

Eric Cheng

Dept. of EEE, Hong Kong
Polytechnic University, Hong Kong
eecheng@polyu.edu.hk

Competition Chair

Junwei Liu

Dept. of EEE, Hong Kong
Polytechnic University, Hong Kong

Ka-wing Kevin Chan

Dept. of EEE, Hong Kong
Polytechnic University, Hong Kong

M. Venkateshkumar

Dept. of EEE, Amrita Vishwa
Vidyapeetham, Coimbatore, India

Nidhi Mishra

Dept. of EEE, Birla Institute of
Technology, India

Conference Technical Chair

C. K. Lee

Dept. of EEE, The University of Hong
Kong, Hong Kong
cklee@eee.hku.hk

Conference Sponsor Chair

Steve Siqi Bu

Dept. of EEE, The University of Hong
Kong, Hong Kong
siqi.bu@polyu.edu.hk

Organized by

**Education Committee
IEEE Transportation Electrification Council**

**Co-organized by International Conference PESA 2024
and The Hong Kong Polytechnic University**

The student competition on electric transportation design - automotive, vessel and aircraft is organized by Education Committee, IEEE Transportation Electrification Council (TEC), and jointly organized with the 10th International Conference on Power Electronics Systems and Application (PESA) 2024. (It will be organized together with PESA International conference)

We welcome your design based on electrical means to power a transportation unit/system. The design includes, but not limited to:

- Electric vehicle
- Electric vessel
- Electric train
- Electric aircraft
- Electric spacecraft
- Hybrid vehicle/vessel/aircraft
- Vertical transportation

Your design will describe your transportation unit/system that leads to an engineering prototype or product. Successful design will be selected according to the performance in efficiency, travelling distance per charge, cost, robustness, appearance, research and commercial values.

A student from an institution may enter the competition. Your design should be presented in form of a technical paper like in IEEE format. You will be requested to present with PowerPoint in the conference.

Prize and certificate will be awarded to the winners of the contest:

1st prize: US\$ 200

2nd prize: US\$ 200

3rd prize: US\$ 100

The event will be organized with the 10th International Conference on Power Electronics Systems and Applications that will be held in June 2024 in Hong Kong. The conference is also sponsored by IEEE. This two-day conference focuses on the recent research and the industrial projects of electric transportation based on power electronics and related technology.

Deadlines:

Submission of Design Papers	04 Apr 2024
Paper Acceptance	19 Apr 2024
Announcement of the winner	07 June 2024

Paper Submission:

The information about the full design paper submission and the paper format, can be found at website <http://perc.polyu.edu.hk/Register24.html>

The full paper could also be sent by email or post with softcopy via the *EasyChair*: <https://easychair.org/conferences/?conf=pesa2024> or Secretary of PESA 2024 Conference, Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hung Hom, Hong Kong. Email address: pesa24.eee@polyu.edu.hk