



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

20-22 September 2022

<http://perc.polyu.edu.hk/pesa2022.html>

Hong Kong

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## Organized by

### Education Committee

### IEEE Transportation Electrification Community

### Co-organized by International Conference PESA 2022 and The Hong Kong Polytechnic University

The student competition on electric transportation design - automotive, vessel and aircraft is a new initiative organized by Education Committee, IEEE Transportation Electrification Community (TEC), and jointly organized with the 7<sup>th</sup> International Conference on Power Electronics Systems and Application (PESA) 2012.

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 in the conference.

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

**1<sup>st</sup> prize: US\$ 2,500 (To be confirmed)**

**2<sup>nd</sup> prize: US\$ 1,500**

**3<sup>rd</sup> prize: US\$ 500**

The event will be organized with the 6<sup>th</sup> International Conference on Power Electronics Systems and Applications that will be held in December 2015 in Hong Kong. The conference is also sponsored by IEEE. This three-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	15 July 2022
Notification of Acceptance	15 August 2022
Announcement of the winner	22 September 2022

## Paper Submission:

The information about the full design paper submission, including the paper format, can be found at the following website <http://perc.polyu.edu.hk/pesa2017.html>

The full paper could also be submitted to: EasyChair of the conference website  
<https://easychair.org/account/signin?l=DISo3iP4aatz6fFUF9GMNa>

You may send enquiry to:

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