IES PRESTIGIOUS ENGINEERING ACHIEVEMENT AWARDS / ASEAN OUTSTANDING ENGINEERING ACHIEVEMENT AWARDS 2018

CALL FOR NOMINATIONS

The IES Prestigious Engineering Achievement Awards are created to recognize the outstanding achievements of the engineers in Singapore. The awards are given to an organisation or persons responsible for an outstanding engineering project.

The award presentation ceremony for the IES Prestigious Engineering Achievement Award 2018 will be presented at a major IES event this year. The number of awards per category will be based on their merit.

Previous winners for 2017 include:

- Development of apparatus and method to assess endothelial function to better manage patients with diabetes School of Engineering, Nanyang Polytechnic
- EscoGlove: A Soft and Wearable Robotic Glove for Assistance of Hand Impaired Patients during Activities of Daily Living and Rehabilition Department of Biomedical Engineering, National University of Singapore
- High Power Mid-Infrared Fiber Laser SIMTech
- BCA SkyLab The World's First High-Rise Rotatable Laboratory for the Tropics
 BCA SkyLab
- Littoral Mission Vessel
 Defence Science and Technology Agency
- Mitigation of Pollution at Kandy Lake and Mid-Canal, Sri Lanka Nanyang Environment and Water Research Institute, Nanyang Technological University
- Singapore Sports Hub

ARUP

- Island Air Defence Networked Air Defence Capabilities Through Technology
 Defence Science and Technology
- The av-Guardian Guardian for renal failure patients' lifeline; Plug-&-Play ready for dialysis of the future Advent Access Pte Ltd
- Florisensors- A novel flower based chemiresistive gas sensors National University of Singapore
- Soft robotics technology for application on bedside ankle rehabilitation National University of Singapore
- Green and Sustainable Buildings: For Our Future School of Engineering, Temasek Polytechnic

The different categories of the awards are as follows:

(A) Applied Research and Development

Research and development projects before commercialization

(B) Engineering Project

 Engineering projects which have been successfully implemented

(C)Technology Innovation

Technology or product invention which has been successfully commercialized

(D) Student Awards - 'IES Young Creators' Award'

Innovative ideas on applications of science

Criteria for the Awards

In making the selection for the above awards, the following criteria will be given special consideration:

(A) Applied Research and Development

- i. Advancement of knowledge with practical applications of science and has potential beneficial impact to society.
- ii. Contribution to general public, society & nation building with considerations of the commercial and social impact
- iii Technological innovation with Originality and Creativity
- iv. Only one nomination or application per category for nominators and applicants
- v. The research work shall have been completed substantially



- Innovative engineering practices and environmental sustainability
- ii. Contribution to general public, society & nation with considerations of the commercial and social impact delivered
- iii. Only one nomination or application per category for nominators and applicants
- iv. Engineering Project must be current and must be completed within the last 3 years.
- v. Project must represent a genuinely new approach or a significantly improved solution over an existing practice

(C) Technology Innovation

- Technological breakthrough, innovation and invention (Originality and Creativity)
- ii. Contribution to general public, society & nation with considerations of the commercial and social impact delivered
- iii. Only one nomination or application per category for nominators and applicants
- iv. The technology must have made noteworthy contributions surpassing previous or current solutions.
- v. The technology must have the potential to serve as an inspiration or model for others.

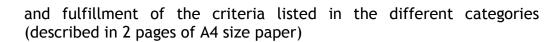
(D) Student Awards - 'IES Young Creators' Award'

- I Open to tertiary level including polytechnics and universities.
- ii. Project must be innovative and creative.
- iii. Project must have achieved high performance in efficiency.
- iv. Project must have high usability, inventiveness and have considered user experience.

The top winners of the IES Prestigious Engineering Achievement Awards 2018 will be nominated for the ASEAN Outstanding Engineering Achievement Awards 2018 which will be presented during the 36th Conference of ASEAN Federation of Engineering Organisations (CAFEO 36), to be held in November 2018 in Singapore.

All submissions should include the following details:

- 1. Covering page with Name of Project, and the FULL names of the team members (including full contact details of team leader such as email address and mobile number). Please note that there should be no amendments once the team members' names are submitted.
- 2. The executive summary of the project, including significant engineering accomplishment, the impact of engineering contributions



3. Details including photographs and relevant drawings of the project placed as addendum.

Please submit your entry online:

http://www.emailmeform.com/builder/form/7806M708pWVOeIUwdes0ybQ34

latest by Monday, 1 April 2018.

If you have queries, you may contact Siew Keow at **Email:** siewkeow@iesnet.org.sg, DID 64611221.

Chairman wards Committee
The Institution of Engineers, Singapore