



Prizes and Awards

The HKIE Outstanding Paper Award for Young Engineers/Researchers 2010

The Publications Committee of the Institution is pleased to announce that the HKIE Outstanding Paper Award for Young Engineers/Researchers 2010 is now open for submission. This is the fifth consecutive year the Institution has organised the Award. It is our ultimate goal to provide a platform for local and overseas young engineers and researchers to share and exhibit their accomplishments in various engineering fields.

Aims

- To encourage young engineers and researchers to publish their works and develop in their professional fields
- To promote engineering advancement among the younger generation

Eligibility

- First author aged 35 or below on the closing date of submission
- Local and overseas sole author or first author of a co-authored paper

Judging Criteria

Papers will be judged according to the following criteria:

1. Innovation and originality
2. Presentation including Paper organization, Methodology, Critical analysis, Quality, Style, Sources and Language
3. Impact and significance of paper

Selection Process

- Each paper will normally be reviewed by two referees assigned by the Judges
- Shortlisted papers will be further reviewed by the Judges
- Result will be finalised by the Panel of Judges

Panel of Judges

- Ir Prof HO Siu Lau (Chairman)
Head & Chair Professor of Electricity Utilisation
Department of Electrical Engineering
The Hong Kong Polytechnic University
- Ir CHU Man Chun Charles
Chairman, Journal Editorial Committee

The HKIE

- Ir Dr CHAU Kwok Wing
Associate Professor
Department of Civil & Structural Engineering
The Hong Kong Polytechnic University

- Ir Dr HO Ching Ming Johnny
Assistant Professor
Department of Civil Engineering
The University of Hong Kong

- Ir LEUNG Chi Kong Albert
System Operation Manager
HK & China Gas Co Ltd

- Ir Dr LUN Pak Kong Daniel
Associate Professor
Department of Electronic & Information Engineering
The Hong Kong Polytechnic University

- Ir Prof SZE Kam Yim
Professor
Department of Mechanical Engineering
The University of Hong Kong

- Ir Dr WONG Kwok Wo
Associate Professor
Department of Electronic Engineering
City University of Hong Kong

- Ir Prof Francis W H YIK
Professor
Department of Building Services Engineering
The Hong Kong Polytechnic University

- Ir YIM Kin Ping
Senior Geotechnical Engineer
HKSAR - Architectural Services Department

Prizes

- Up to **three Awards** will be given
- Each award comprises a **plaque** and a **certificate**
- The Award will be presented at the **HKIE Presidential Dinner** to be held in September 2010 in Hong Kong

- All shortlisted papers will be published in the **HKIE Transactions** (Special Issue - Vol 17 No 4 December 2010)
- **Seminar** will be organised for awardees to present their award papers in Hong Kong

Submission

- Conform to the style and format requirements of papers for the HKIE Transactions. Please refer to the Submission Guidelines for details
- Paper submitted should be origin work and has not been published or submitted for consideration of publication
- Each entry should include the paper in electronic format and a completed Application Form
 - Submission by post should be sent to:
Corporate Communications Section
The Hong Kong Institution of Engineers
9/F Island Beverley, 1 Great George Street
Causeway Bay, Hong Kong SAR, China
 - Submission by email should be sent to:
hkietransactions@hkie.org.hk
- Please mark "**Paper for the HKIE Outstanding Paper Award for Young Engineers/Researchers 2010**" as the subject of the email/envelope (all submissions will be acknowledged by email upon receipt)

Schedule

9 April 2010 (Friday)	Deadline for submission
July 2010	<p>Announcement of the shortlist</p> <ul style="list-style-type: none"> ■ The shortlist will be announced on HKIE website. All entrants will be notified by email following the announcement ■ Subject to referees' comments, shortlisted authors may need to revise their papers for the final selection of award winning paper(s) ■ Additional information, ie shortlisted author's CV, photo and biography, is to be submitted for publishing in the HKIE Transactions (Special Issue - Vol 17 No 4 December 2010)
August 2010	<p>Announcement of the awardees</p> <ul style="list-style-type: none"> ■ The award list will be announced on HKIE website ■ Awardees will be notified individually on the arrangement for the Technical Seminar to be held in Hong Kong
September 2010	Prize presentation ceremony and seminar on award papers in Hong Kong

Results

Award Papers

- "Numerical Simulation of Sand Ripple Dynamics in Turbulent Flows"
by CHOU Yi Ju*, Oliver B FRINGER
USA
- "An Experimental Study on Strain Gradient Effect of Equivalent Rectangular Stress Block of Normal-strength Concrete"
by J PENG*, H J PAM, Y L WONG
Hong Kong
- "An Investigation of Compressor Map Width Enhancement and a Detailed Analysis of Inducer Flow Field"
by Subenuka SIVAGNANASUNDARAM*, Stephen SPENCE, Juliana EARLY, Bahram NIKPOUR
UK
- "A Uniform Nonlinear Control Method for DC-DC Converters with Fast Transient Response"
by WANG Huai*, Henry S H CHUNG
Hong Kong

Shortlisted Papers

- "Retrofitting of Noise Barriers on Tseung Kwan O Road - Challenges, Innovation and Implementation"
by Benedict L S CHEUNG*, Emeric W K WAN, Angela W K LEUNG, Joey C Y HO
Hong Kong
- "High Efficiency Power Amplifier - Distributed Amplifier Topology and Non-uniform Load-Pull (NLP) Power Combining Technique"
by HUNG Kwok Man*, Steve W Y MUNG, CHAN Wing Shing
Hong Kong
- "Eliminating Discharge Imbalances in Predicting Shallow Water Flows with Shocks"
by LIANG Dongfang*
UK
- "Developing an Assistive Technology to Help Children with Autism for Recognising Human Emotion"
by NGUWI Yok Yen*, TEOH Teik Toe, CHO Siu Yeung
Singapore

- "A Probing Method for Computing the Diagonal of a Matrix Inverse"
by TANG Jok Man*, Yousef SAAD
USA
- "In-vivo Experimental and Numerical Studies of Cardiac Flow in Right Atrium"
by Kelvin K L WONG*, Kiao INTHAVONG, SUN Zhonghua , Keith LIOW, TU Jiyuan
Australia
- "Embodied Energy and Carbon Emissions - A Case Study of an Infrastructure Project in Hong Kong"
by Andy K L WONG
Hong Kong

* The first author who is at the age of 35 or below on the closing date of submission.

Enquiries

For further information and enquiries, please contact

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The Hong Kong Institution of Engineers

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Remarks

- 1) Panel of Judges of the Award reserves the right not to make any award
- 2) The Panel's decision is final and no correspondence will be entered into. Awardees outside Hong Kong will be reimbursed for the cost of an economy airfare to attend the technical seminar and prize presentation ceremony in Hong Kong. Subject to its approval, the Institution will also arrange suitable accommodation for the awardees in Hong Kong

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