



Prizes and Awards

The HKIE Outstanding Paper Award for Young Engineers/Researchers 2007

Riding on the success of last year's Award, the Publications Committee of the Institution continues to organise the HKIE Outstanding Paper Award for Young Engineers/Researchers this year and the scale of the Award has been extended to an international paper competition. 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

- 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:

- Paper organisation
- Methodology
- Critical analysis
- Quality
- Style
- Clear presentation
- Sources
- Language

Selection Process

- Each paper will 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 LI Yok Sheung (Chairman)
Chair Professor & Head, Department of Civil & Structural Engineering
The Hong Kong Polytechnic University

- Ir Dr CHAN Fuk Cheung
General Manager
CLP Engineering Limited

- Ir Dr Tommy H T CHAN
Associate Professor, Department of Civil & Structural Engineering
The Hong Kong Polytechnic University

- Ir Dr Christopher Y H CHAO
Associate Professor, Department of Mechanical Engineering
The Hong Kong University of Science & Technology

- Ir Dr Alan K L KWONG
Senior Teaching Consultant, Department of Civil Engineering
The University of Hong Kong

- Ir Prof LEUNG Kwok Wa
Professor, Department of Electronic Engineering
City University of Hong Kong

- Ir WONG Chiu Yau
Senior Engineer, Highways Department
The Government of the HKSAR

- Ir Prof WONG Kit Po
Chair Professor & Head, Department of Electrical Engineering
The Hong Kong Polytechnic University

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

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 2007 in Hong Kong
- All shortlisted papers will be published in the **HKIE Transactions** (Special Issue - Vol 14 No 4 December 2007)
- **Seminar** will be organised for awardees to present their award papers

Submission

- Conform to the style and format requirements of papers for the HKIE Transactions
Please refer to the Submission Guidelines
- Each entry should include the paper in electronic format and a completed Application Form

- Submission by post should be sent to:
Publications & PR 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 2007**" as the subject of the email/envelope (upon receipt, all submissions will be acknowledged by email)

Schedule

13 April 2007 (Friday)	Deadline for submission
July 2007	<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, etc, is to be submitted for publishing in the HKIE Transactions (Special Issue - Vol 14 No 4 December 2007)
August 2007	<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 prize presentation ceremony and seminar
September 2007	Prize presentation ceremony and seminar on award papers

Results

Award Papers

- "Field Evaluation of the Performance and Heterogeneity of a Zero-valent Iron-based Permeable Reactive Barrier for Groundwater Remediation"
by Keith K C LAI
USA

- "Morphological Evolution of Multi-phase Hybrid Polymeric Blend Systems"
by LEE Mun Wai*, Xiao HU
Singapore

Shortlisted Papers

- "Evaluation of Seismic Stability of Reinforced Fill Walls in Hong Kong"
by Tenny S B FU
- "The Discrete Network Design Problem over Time"
by Liam O'BRIEN*, Wai Yuen SZETO
Ireland
- "Dual-wavelength Packet Signal Storage with SOA-based Dual Loop Optical Buffer"
by Songnian FU*, P SHUM, Guo NING, Chongqing WU, Yajie LI
Singapore
- "A Partial Codevector Updating Scheme Based on Rate-distortion Optimisation for Adaptive Vector Quantisation"
by GUO Kai*, PO Lai Man
Hong Kong
- "On Marginal Angle-of-arrival Probability Density Functions Using a Hyperbolic Distribution in Mobile Environment"
by Khoa N LE*, Kishor P DABKE
Australia
- "Magnesium-based Alloys as Biodegradable Orthopaedic Implant"
by Bobby Kannan MATHAN
Australia
- "Application of Horizontal Slice Method (HSM) on Soil Nailed Slopes"
by S N L TAIB*, W H CRAIG
Malaysia
- "A Fundamental Perspective to the Design of Delay-limited Wireless Communications"
by WONG Kai Kit
United Kingdom
- "Integrating Rough Numbers with Interval Arithmetic: A Novel Approach to QFD Analysis "
by L Y ZHAI*, L P KHOO, Z W ZHONG
Singapore

- "Optimum Design of Hybrid Solar-wind-diesel Power Generation System Using Genetic Algorithm"
by Wei ZHOU*, Hongxing YANG, Lin LU, Zhaohong FANG
Hong Kong

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

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