



# Hong Kong Electronics Project Competition 2024 (HKEPC 2024)

**Creating Resilient Cities with Innovation and Technology**



# Agenda

1. Introduction
2. Objective
3. Category and Key dates of Competition
4. Prizes
5. Assessment Criteria
6. Websites
7. Enquiry
8. FAQ



# Introduction

The Hong Kong Electronics Project Competition 2024 (HKEPC2024) is organized by the Electronics Division of HKIE.

Deadline for abstract submission : ~~22 January 2024~~ **31 January 2024**

Deadline for paper submission: 23 February 2024 (Only short-listed team is required )

Shortlisted candidates will be required to present and conduct a demo of their system / product on 23 March 2024, and those that could get into the final round will have the award presentation ceremony in the Hong Kong Electronics Symposium 2024 (HKES2024), an annual flagship event organized by the Electronics Division of HKIE, which will take place on end early May 2024 in the Hong Kong.



# Steering Committee Members of HKEPC2024

Ir Barry LEE (President, HKIE)

Ir CK LEE (Immediate Past Chairman, HKIE END)

Ir Dr KF TSANG (Past Chairman, HKIE END)

Ir John CHAN (Past Chairman, HKIE END)

Mr Simon WONG (Chief Executive Officer, LSCM)

Ir Victor NG (Past Chairman of END and Honorary Chairman, HKETA)

Ir Wilson KWOK (Ex-officio Member and Discipline Representative, HKIE END)

Prof Kam Tim WOO (Department of Electronic and Computer Engineering, HKUST)

Ir Prof Alan LAM, JP (Department of Electrical Engineering, City U)



## **Objective of HKEPC2024**

To uplift the awareness and knowledge of innovative technologies in Hong Kong and to nurture engineers and students to effectively use and apply innovative technologies (such as IoT )to improve the quality of life



## Category of Competition

Category :

- Tertiary Education – students / professors from tertiary education institutions
- Industry – SMEs and large companies



## Key Dates

Application and Abstract Submission

31 January 2024, 23:59 (Mon)

Paper Submission

23 February 2024, 23:59 (Fri)

Presentation and Demo

23 March 2024 (Sat)

Award Presentation

Early May 2024 at Hong Kong Electronics Symposium (HKES 2024)



# Prize



## Prize

Tertiary Education Category	Industry Category
Champion – Trophy & HK10,000	Champion – Grand Trophy
First runner up – Trophy & HK6,000	First runner up – Grand Trophy
Second runner up – Trophy & HK\$4,000	Second runner up – Grand Trophy
Smart Technology Application% – Trophy & HK\$2,000	Merits
Merits	
Special Awards for IDex (IEEE P2668)	Special Awards for IDex (IEEE P2668)

- All the above individuals will also receive a recognition certificate
- % for Sub-Degree Level



## Awards for IDex (IEEE P2668)

The IEEE P2668 IoT Maturity Index (IDex) was introduced to assure the quality of performance of smart IoT sensors.

IDex is the global standard providing a fair and consistent performance score that accounts for the performance in IoT cyber security, privacy, and reliability, for evaluation and comparison of all IoT-related issues embracing all domains such as safety, communication, healthcare, robotics, manufacturing, retail, logistics, smart energy, smart grids, fisheries, farming and others. The higher the Maturity Index, the higher the IoT performance. IDex contributes to all aspects of smart city development.

The core design of IDex consists of a wireless transducer interface module and network capable application processor, which aims at developing more efficient and secure solutions.



# Assessment Criteria

# Assessment

<b>Tertiary Education Category</b>	<b>Weighting Factor %</b>	<b>Industry Category</b>	<b>Weighting Factor %</b>
<b>A. Originality</b>		<b>A. Originality</b>	
<b>B. Future / Further Development Potential</b>		<b>B. Future / Further Development Potential</b>	
<b>C. Research Methodology / Science &amp; Technology Knowledge</b>		<b>C. Research Methodology / Science &amp; Technology Knowledge</b>	
<b>D. Technology Application</b>		<b>D. Technology Application</b>	
<b>E. Quality of Paper Submission &amp; Demo</b>		<b>E. Quality of Paper Submission &amp; Demo</b>	



## Website / Enquiry

For application form and paper format template, please refer to:

Website - <http://en.hkie.org.hk>

For enquiries:

Email: [enhkierereg@gmail.com](mailto:enhkierereg@gmail.com) OR

Tel: 9233 6230 (*Ms Veronica Cheng*)

*or*

9708 3699(*Ir Larry YUEN*)



# FAQ

**Q1. Do I need to form a group and what is the maximum number of group member ?**

**A1. There is a limit of 4 to the number of group member. However, if number of contestant per group is more than one, contestants are required to mention the contribution of each group member through the application form. The team leader of each group should provide the contact point to HKEPC2024 for communication.**

**Q2. Do I need to proof my identity ?**

**A2. For Tertiary Category, contestant is required to attach copy of their Student I.D. card to identify their role whereas contestant from Industry Category should have company chop signed on their application.**



## FAQ

**Q3. Do I need an advisor from our university ?**

**A3. Contestant should declare if they have any project supervisor/co-supervisor for their competition project.**

**Q4. Are there some requirements for the theme we choose ?**

**A4. Contestant project should be in line with the Theme “Creating Resilient Cities with Innovation and Technology” and the Assessment Criteria.**

**For details of the Assessment Criteria, please refer to the information package.**



# Thank You