



Jointly organized by:



# **The 6th International Conference on Utility Management & Safety 2018 (The 6<sup>th</sup> ICUMAS 2018)**

**AND**

# **China International Underground Pipeline Exhibition & Conference 2018 (CIUP EXPO)**

**Event Report**

**Theme : Building new with latest technologies**

**主題：共建新市場，共享新技術**

**2018**

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# **The 6<sup>th</sup> International Conference on Utility Management & Safety (ICUMAS) & China International Underground Pipeline Exhibition & Conference 2018 (CIUP EXPO)**

## **POST-CONFERENCE REPORT**

### **A. Introduction and Summary**

The 6th International Conference on Utility Management & Safety (ICUMAS) and China International Underground Pipeline Exhibition & Conference 2018 (CIUP EXPO) took place in The Canton Fair Complex in Guangzhou, CHINA, starting from 27<sup>th</sup> to 29<sup>th</sup> November 2018.

The conference was a major event held by the International Institute of Utility Specialists (IIUS), China Association of City Planning Underground Pipeline Committee (CACP) and China International Center for Economic and Technical Exchanges, to discuss and share the popular issues on utility management and safety. It was the second time for ICUMAS to launch outside Hong Kong.

#### **Objectives**

- *Establishment of International Standards*

Different practices are adopted by different utility parties all over the world. By strengthening the communication among the utility professionals, the conference would facilitate the establishment of international standards in utility industries. This year the theme was “Building New with Latest Technologies (共建新市場, 共享新技術)”.

- *Communication Platform*

The conference provided an excellent platform and opportunity in keeping abreast of latest knowledge and experience about utility management and safety, offering a channel to network with utility specialists, and promoting continuous cooperation among utility industry worldwide.

- *Personal Development*

The delegates would have a precious opportunity to learn about the latest practices and developments in utility planning, production, management and safety from the four corners of the world.

## B. Conference Agenda

The conference agenda from 27<sup>th</sup> to 28<sup>th</sup> November 2018 is enclosed.

After the exhibition and conference opening ceremony on 27<sup>th</sup> Nov 2018, there had three conferences held on the same day and eight conferences on 28<sup>th</sup> Nov 2018.



*Opening speech by officials from China National Administration of Coal Geology,  
The Government of P.R. China – Mr. WANG Hai Ning (王海寧)*



*Opening speech by officials from Guangzhou Housing and Urban-Rural Construction Committee,  
The Government of P.R. China – Mr. LIU Ji Zhong (廖集中)*



*Opening speech by the President of China Association of City Planning Underground Pipeline Committee  
(中國城市規劃協會地下管線專業委員會) – Mr. TANG Kai (唐凱)*





*The final number of registered participants for 2018 was close to 3000 participants, while that of speakers was up to 100 and they were came from different regions including Hong Kong, Shenzhen (China), Shanghai (China), Beijing (China), Taiwan, Malaysia, Australia and India etc.*

For this year, we were pleased and invited our Founding President – Ir Prof. MA Siu-cheung, Eric, GBS, JP (馬紹祥 教授、工程師、金紫荊星章、太平紳士) - Former Secretary for Development, The Government of the HKSAR to present an opening speech.



*Ir MA Siu-cheung, Eric, GBS, JP (馬紹祥 教授、工程師、金紫荊星章、太平紳士), Founding President of Internatoinal Insitute of Utility Specilists was delivering opening speech.*

## C. Inauguration Ceremony for IIUS Committee (2019-23)

After that, we are very glad to have Sr TSE Wai-chuen, Tony, BBS (謝偉銓 測量師、銅紫荊星章) – Member of Legislative Council (Architectural, Surveying, Planning and Landscape), The Government of the HKSAR as our Guest of Honor and delivered a welcoming speech.

At the same time, the inauguration ceremony for IIUS Committee (2019-2023) was held.



*Welcoming speech by Sr TSE Wai-chuen, Tony, BBS (謝偉銓 測量師、銅紫荊星章)*



*Ir Dr. King WONG welcomed all the guests and IIUS Vice-Presidents and Regional Representatives*



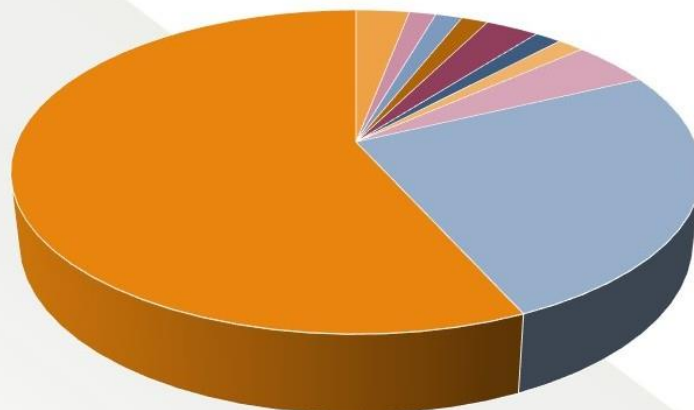


*31 Vice-Presidents and Regional Representatives attended The 6<sup>th</sup> ICUMAS 2018 and they were receiving a shield and appointment certificate and presented by Sr Tony TSE Wai-chuen, BBS*

A full list of IIUS honoraries and committee can be viewed from [www.iius.org.hk](http://www.iius.org.hk).

## IIUS honorary summary

Our honorary comes from



■ U.S.A. ■ U.K. ■ Australia ■ India ■ Malaysia  
 ■ Belgium ■ Canada ■ Macau ■ Mainland China ■ Hong Kong

■ Belgium ■ Canada ■ Macau ■ Mainland China ■ Hong Kong  
 ■ U.S.A. ■ U.K. ■ Australia ■ India ■ Malaysia



## D. Presentation

After the grand opening of exhibition and conference, The 6<sup>th</sup> ICUMAS started.



*Group photos with all speakers and guests before the presentation start*

Our speakers were coming from Hong Kong, Australia, India, Malaysia, Shenzhen & Beijing of P.R. China, details as below :

### AUSTRALIA

Topic : Onecall System (一呼通系統)

Speaker : Mr. Lonion CHEN, Business Development Manager China, Pelican Corp, Australia  
(國際管綫專業學會 澳洲代表)

Topic : Conduit Condition Evaluation in Australia (澳洲的管道評價)

Speaker : Mr. John Ronald ALLEN, HFIIUS, R.J. Allen's Training & Assessment Services, Australia  
(國際管綫專業學會 澳洲代表)

### INDIA

Topic : India Experience on Trenchless applications (印度在非開挖應用方面的經驗)

Speaker : Dr. Niranjana SWARUP, HFIIUS, Director General of Indian Society for Trenchless Technology, India (國際管綫專業學會 院士 印度代表)

### MALAYSIA

Topic : Drainage Rehabilitation in Malaysia (馬來西亞排水管道修復)

Speaker : Dr. Mohd Syazwan Abdullah, HFIIUS, Regional Director of Asia Region of Institute for Infrastructure Asset Management, Malaysia (國際管綫專業學會 榮譽院士 馬來西亞代表)

**BEIJING, P.R. CHINA**

Topic : Leakage Management and Monitoring (漏損控制的考核)

Speaker : 杜建國 先生, HFIIUS, 北京自來水集團 原副總裁  
(國際管綫專業學會 榮譽院士)

**SHENZHEN, P.R. CHINA**

Topic : Pipe Condition Assessments: Methods, Standards, Operation, Grades and Report  
(管道狀況評價: 方法、標準要求、器材、評級及報告)

Speaker : Mr. DAI Yi, FIIUS, Managing Director of Shenzhen Bominwell Robotics Co., Ltd.  
(代毅 先生, 管綫專業監理師, 深圳市博銘維智能科技有限公司 常務副總經理)

**HONG KONG - THE GOVERNMENT OF THE HKSAR**

Topic : Utility Aspects on Slope Safety (靠近斜坡的管綫安全)

Speaker : Ms. CHAN Wai-lin, Sr Geo Engr/Mainland West 1 - Geotechnical Engineering Office,  
Civil Engineering & Development Department, The Government of the HKSAR  
(陳惠蓮女士, 香港特別行政區政府 土木工程拓展署, 土力工程處-九龍及新界西一組, 高級土力工程師)

Topic : Condition Assessment and Major Sewer Rehabilitation (狀況評估和主要排水管道修復)

Speaker : Mr. FUNG Yiu-man, Frankie, Sr Engr/Rehabilitation Technology, Operations & Maintenance Branch,  
Mainland South Division, Drainage Services Department, The Government of the HKSAR  
(馮耀文 先生, 香港特別行政區政府 渠務署, 操作維修科-九龍及新界南渠務部, 修復技術 高級工程師)

Topic : Management and Control of Road Opening for Underground Utilities in Hong Kong  
(香港地下基礎設施相關的道路挖掘管理與控制)

Speaker : Mr. HO Kwok-tim – Sr Engr/Utilities, Research and Development Division  
Highways Department, The Government of the HKSAR  
(何國添先生, 香港特別行政區政府 路政署, 研究拓展部 – 公用設施工程, 高級工程師)

**HONG KONG - ACADEMIC**

Topic : Innovative Sensors and Novel Techniques for Performing Quality Inspection on Covered and Buried Pipes (用於對覆蓋和埋設管道進行質量檢驗的創新傳感器和新技術)

Speaker : Ir Prof. TSE Wai-tat, Peter, FIIUS, Director of SEAM Lab, Department of Systems Engineering and Engineering Management, City University of Hong Kong  
(謝偉達 教授、工程師, 管綫專業監理師)

Topic : Sewer Inspection and diagnosis by the In-pipe Infrared Thermographic System (IPITS)  
(通過管道內紅外熱成像系統進行排水管道檢測與診斷)

Speaker : Ir Dr. LAI Wai-lok, Wallace, Associate Professor, Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University (賴緯樂 博士, 香港理工大學 建設及環境學院 土地測量及地理資訊學系)

Topic : The GPR Hamburger theory and practice: a standardized 3D imaging criteria  
(GPR 漢堡理論與實踐: 標準化的 3D 成像標準)

Speaker : Ms. LUO X.H., Tess, Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University (羅享寰 小姐, 香港理工大學 建設及環境學院 – 土地測量及地理資訊學系)

Topic : A lab study of coupling effects of electromagnetic induction on underground utilities  
(電磁感應耦合對地下管綫效應的實驗研究)

Speaker : Mr. SIU K.L., Peter, Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University (蕭家禮 先生, 香港理工大學 建設及環境學院 – 土地測量及地理資訊學系)



Topic : Walking a straight GPR line? Is it by default, an assumption or just a fantasy?

(走直的 GPR 綫? 是默認, 假設還是想像?)

Speaker : Mr. CHING P.H., Gabbo, Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University (程博軒 先生, 香港理工大學 建設及環境學院 – 土地測量及地理資訊學系)

Topic : Mapping water pipe's leak by GPR wave velocity (用 GPR 波速繪制水管泄漏地圖)

Speaker : Ms. CHEUNG W. Y., Bella & Mr. LAU K. W., Peter, Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University

(張帷逸 小姐及劉景鏞 先生, 香港理工大學 建設及環境學院 – 土地測量及地理資訊學系)

### EXECUTIVE PRESIDENT OF IIUS

Topic : Comprehensive Utility Survey-The Secret and Mystery of Utility Surveys, Safety and Management (綜合管綫測量-管綫探測的精度、安全及奧秘)

Speaker : Ir Dr. King WONG, RPUS, FIIUS, Executive President of IIUS

(黃敬 博士、工程師, 管綫專業監察師, 國際管綫專業學會 終身院士暨執行會長)



Dr. Niranjnan SWARUP, HFIIUS, Director General of Indian Society for Trenchless Technology, India



Dr. Mohd Syazwan Abdullah, HFIIUS, Regional Director of Asia Region of Institute for Infrastructure Asset Management, Malaysia



Mr. John Ronald ALLEN, HFIIUS, R.J. Allen's Training & Assessment Services, Australia



杜建國 先生, HFIIUS, 北京自來水集團 原副總裁





Mr. DAI Yi, FIIUS, Managing Director of Shenzhen Bominwell Robotics Co., Ltd.



Ms. CHAN Wai-lin, Sr Geo Engr/Mainland West 1 - Geotechnical Engineering Office, Civil Engineering & Development Department, The Government of the HKSAR



Mr. HO Kwok-tim – Sr Engr/Utilities, Research and Development Division, Highways Department, The Government of the HKSAR



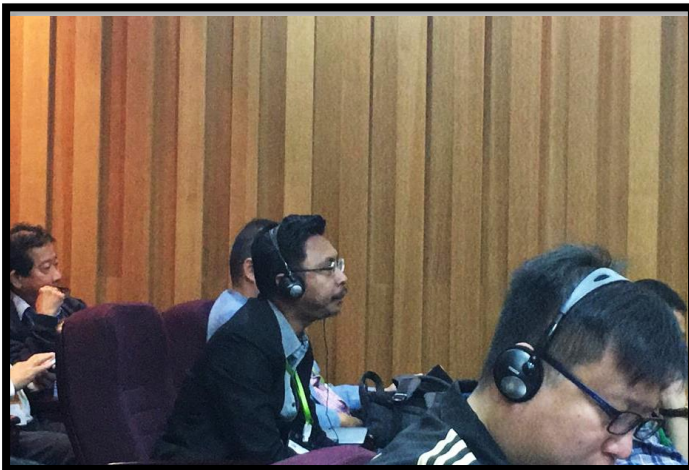
Ir Prof. TSE Wai-tat, Peter, FIIUS, Director of SEAM Lab, Department of Systems Engineering and Engineering Management, City University of Hong Kong



Q&A time with representatives from India, Malaysia, China & Hong Kong on stage



*Audiences were asking question during the Q&A time*



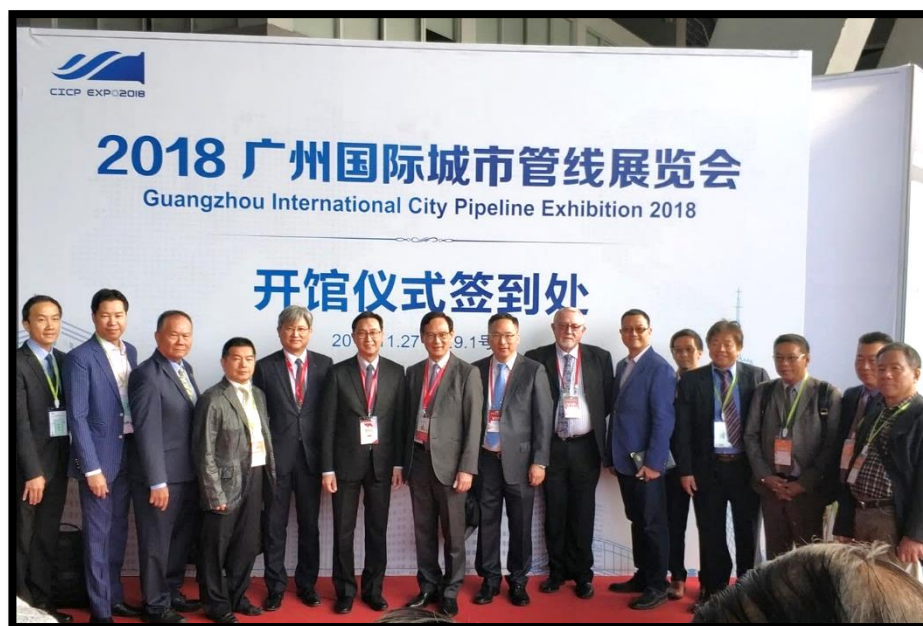
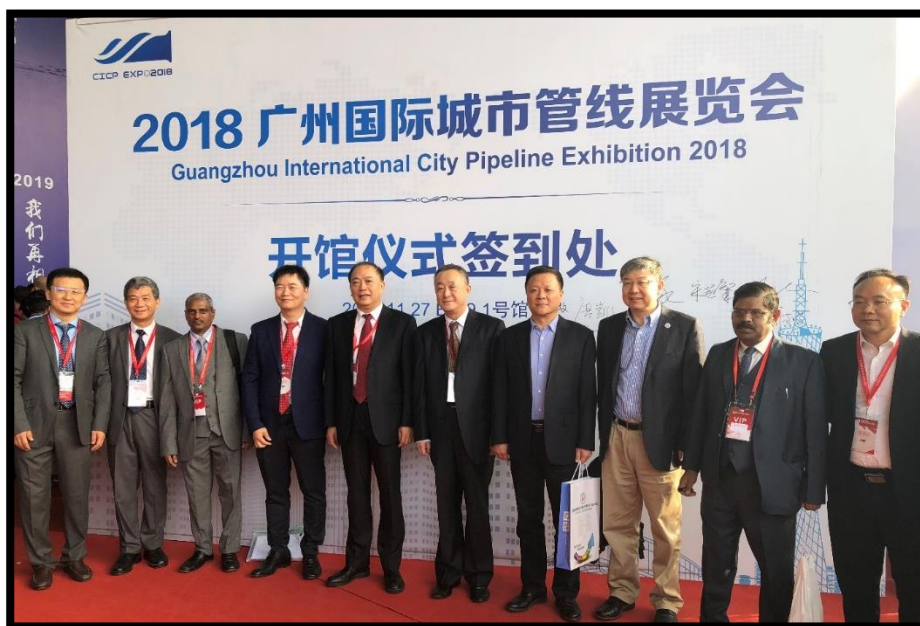
*To serve our speakers and guests from worldwide, instant translation was provided*



## E. Exhibition

The exhibition started from 27<sup>th</sup> November 2018 to 29<sup>th</sup> November 2018 in the same venue of the conference, ie The Canton Fair Complex. Near 200 exhibitors came from a 15 countries with wide range of categories, such as Environmental Engineering, Trenchless Technology, Detection Equipments and Radar etc. As reported, the exhibition drew around 30,000 visitors.

Prestigious guests have attended the opening ceremony of the exhibition:

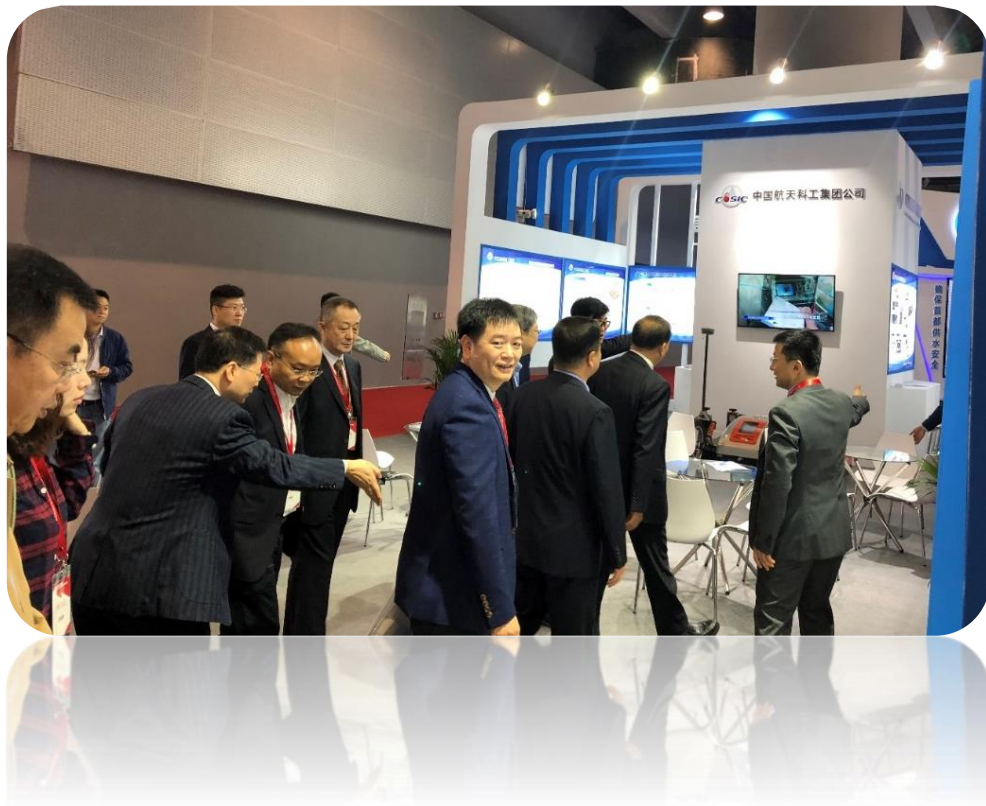


*All key personnels from related industries were gathered to witness the grand opening.*





*Ir Dr. King WONG, Executive President of International Institute of Utility Specialists(IIUS)*



*The guests were taking a tour in the exhibition after the opening.*

The exhibition area was 8000m<sup>2</sup> with around 200 exhibitors who came from four corners of the globe covering Pipelines, Trenchless Technology, Detection Engineering, Equipments, Softwares & programming, Municipal construction, Utility Mapping, New Materials, Safety, Associations, details as enclosed in appendix C.



*Booth of International Institute of Utility Specialists (IUS)*



*Booth of the members of International Institute of Utility Specialists (IUS)*





## E. Conference Supporters

The organisers are extremely grateful for the support of various organisations received throughout the planning of the conference. The full overview of supporting supporters in a range of category is listed below :

### HOST ORGANIZATIONS 主辦單位:

1. China Association of City Planning Underground Pipeline Committee 中國城市規劃協會地下管綫專業委員會
2. China International Center for Economic and Technical Exchanges 中國國際經濟技術交流中心

### CO-ORGANIZERS 協辦單位:

1. International Institute of Utility Specialists 國際管綫專業學會
2. Hong Kong Institute of Utility Specialists 香港管綫專業學會
3. 中國城鎮給排水協會排水委員會
4. 中國市政工程協會管道檢測與修復專委會
5. 廣東省非開挖技術協會
6. 北京市非開挖技術協會
7. 甘肅省管道保護協會
8. 廣州市科學技術協會

### SUPPORTING ORGANIZATIONS 支持單位:

1. 中國煤炭地質總局
2. 中國城鎮供熱協會 (China District Heating Association)
3. 北京市自來水集團有限責任公司 (Beijing Waterworks Group)
4. 北京排水集團

### OVERSEAS SUPPORTING ORGANIZATIONS 海外支持單位:

1. 澳大利亞貿易投資委員會
2. 美國地下管線設施聯盟資料中心
3. 英國威爾士華商會
4. NACE 國際



## F. Supporters of The 6<sup>th</sup> ICUMAS 2018

### GOVERNMENT DEPARTMENTS

- ✧ Architectural Services Department (ArchSD)
- ✧ Buildings Department (BD)
- ✧ Civil Engineering and Development Department (CEDD)
- ✧ Drainage Services Department (DSD)
- ✧ Electrical & Mechanical Services Department (EMSD)
- ✧ Highways Department (HyD)
- ✧ Transport Department (TD)
- ✧ Water Supplies Department (WSD)

### OVERSEAS ASSOCIATIONS

- ✧ Indian Society for Trenchless Technology (INDSTT)

### LOCAL ORGANIZATIONS

- ✧ MTR Corporation Limited

### LOCAL ASSOCIATIONS

- ✧ The Association of Consulting Engineers of Hong Kong (ACEHK)
- ✧ Asian Institute of Building (AIB)
- ✧ Association of Landscape Consultants
- ✧ Building Services Operation and Maintenance Executives Society (BSOMES)
- ✧ The Chartered Association of Building Engineers (CABE) Hong Kong Chapter
- ✧ Contractor's Authorized Signatory Association (CASA)
- ✧ Construction Industry Council (CIC)
- ✧ Chartered Institute of Housing Asian Pacific Branch (CIH)
- ✧ The Hong Kong Association for the Advancement of Science & Technology (HKAASST)
- ✧ Hong Kong Association of Energy Engineers (HKAEE)
- ✧ The Hong Kong Association of Property Management Companies (HKAPMC)
- ✧ Hong Kong Association of Risk Management and Safety (HKARM)
- ✧ The Hong Kong Federation of Electrical & Mechanical Contractors (HKFEMC)
- ✧ Hong Kong Green Building Council (HKGBC)
- ✧ Hong Kong General Building Contractors Association (HKGBCA)
- ✧ Hong Kong Institute of Construction Managers (HKICM)
- ✧ The Hong Kong Institution of Engineering Surveyors (HKIES)
- ✧ The Hong Kong Institute of Housing (HKIH)
- ✧ The Hong Kong Institute of Landscape Architects (HKILA)
- ✧ Hong Kong Occupational Safety & Health Associations (HKOSHA)
- ✧ Hong Kong Professionals And Senior Executives Association (HKPASEA)
- ✧ The Hong Kong Registered Contractors Association (HKRCA)
- ✧ Chartered Institution of Civil Engineering Surveyors (Hong Kong Branch) (ICES)
- ✧ The Society of Operations Engineers (Hong Kong Region) (SOEHK)



Jointly organized by:



**Hong Kong & Overseas Contact 香港及海外聯絡處:**

Utility Training Institute 管綫學院

## G. Images and references

A complete overview of images and pictures related to the conference can be found on its web pages at [www.iius.org.hk](http://www.iius.org.hk)