



The 4th International Conference on
Utility Management & Safety (ICUMAS) Summit
&
China International Underground Pipeline
Exhibition & Conference 2014



第4屆國際管綫管理及安全會議 及 2014中國國際地下管綫大會

協辦單位 Co-organizers:

中國城市燃氣協會
China Gas Association

中國城鎮供熱協會
China District Heating Association

中國測繪學會工程測量分會
China Institute of Surveying and Mapping -
Engineering Measurement Branch

中國儀器儀錶學會
China Instrument and Control Society



主辦單位 Host organizations:

中國城市規劃協會地下管線專業委員會
China Association of City Planning -
Underground Pipeline Committee

中國國際經濟技術交流中心
China International Center for
Economic And Technical Exchanges

國際管綫專業學會
International Institute of Utility Specialists



批准單位 Approved by:

中華人民共和國商務部
Ministry of Commerce of the People's Republic of China



支援單位 Supported by:

中華人民共和國住房和城鄉建設部
Ministry of Housing and Urban-Rural Development of the
People's Republic of China



Registration is now open
Application deadline: 31 October 2014

Register Now!
馬上報名



www.hkius.org.hk/icumas2014/registration

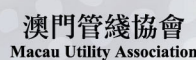
Venue: China National Convention Center, Beijing
Topic: Utility Total Asset Management
Date: 14-16 November, 2014

Guest of Honor



Ir WAI Chi-sing, J.P.
Permanent Secretary for
Development (Works), HKSAR

Professional supporting organizations



Hong Kong & Overseas Contact

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Address: Unit 209, 2/F, Favor Industrial Center, 2-6 Kin Hong Street, Kwai Chung, N.T., HKSAR

The 4th International Conference on Utility Management and Safety 2014

Background

Utilities in our city are as important as our blood vessels in our body. They should be looked after properly and closely. Yet, utility incidents happen every day.

It is believed that the social costs could be minimized with better management on utility. To enhance the related knowledge, conferences on utility management and safety have been organized since 2003 by Hong Kong Institute of Utility Specialists. After 2009, the conferences went to international.

With great pleasure, the 4th International Conference on Utility Management and Safety will be held in China, all guests and speakers coming from various areas, for example, Malaysia, Belgium, Italy, India and Hong Kong SAR etc.

Establishment of International Standards

Different practices are adopted by different utility parties all over the world. By strengthening the communication among the utility professionals, ICUMAS would facilitate the establishment of international standards in utility industries. This year our theme is Utility Total Asset Management which focuses on the comprehensive management of utilities.

Communication Platform

ICUMAS provides an excellent platform and opportunities 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.

CPD Certificates

CPD hours would be counted depending on the duration of attendance.

Formation of 1st IIUS Committee – Inviting Fellow Members



International Institute of Utility Specialists (IIUS) was established in year 2013 with headquarter in Hong Kong. It aims to promote and advance the knowledge and practice of underground utility services, to create, and to maintain of a high standard of professional qualification in utility surveying, to provide condition assessment and management, to enforce technical aspect standardization, to promote personnel (utility specialists) recognition and course accreditation, and to organize annual conference “ICUMAS” in worldwide.

4 Core Values of IIUS

- ★ Professional Standards (標準制定)
- ★ Course Accreditation (課程審核)
- ★ Personnel Recognition (資格認定)
- ★ Promotion via ICUMAS (國際會議推廣)





List of Abstracts for the 4th ICUMAS

1. BIM and Utility Asset Management - New Dimension for Growth
2. Challenges in Utility Asset Management
3. Total Subsurface Asset Management – The Indian Requirements and Perspective
4. Effects of time and cost overrun on Utility Total Asset Management
5. Application of Geophysical Technology in Research of Tap Water Pipelines
6. Linkage Effects with Relevant Departments for First-Aid Repair of Pipe Network
7. Application of Air-Water Pulse Technology in Feed-Water Pipes Flushing
8. Experience from the Establishment and Implementation of "Three Standard Embraced in One System"
9. Application of Cyclone Spraying Technology in Practical Engineering
10. Introduction and Application of Thin-Wall Stainless Steel Lining Renovation Technology
11. Importance of Trenchless Technology to Underground Pipelines
12. Application of Trenchless Technology in Beijing Underground Water-Supply Pipeline
13. Application of Trenchless Technology in Crossing Engineering of Urban Water-Supply Pipeline
14. Importance of Pipeline Construction Management to Safe Operation of Pipe Networks
15. Application of Building Information Modeling in Construction of Upper Hose
16. Application of Inner Spraying Technology to Water Quality Safeguard and Improvement of Pipeline's Water Supply-Capacity
17. Application of Trenchless Technology in the Project of Hidden Danger Eliminating for Beijing Water Pipelines
18. Towards a uniform quality of sub-surface pipeline locational data
19. An Introduction to Underground Utility Management and Surveying Stream in LSGI, The Hong Kong Polytechnic University
20. Legitimize Subsurface Utility Engineering to improve the efficiency of urban underground infrastructure asset management
21. Longest Multiple Curvature Sewer Pipeline in the Middle East
22. How Big Data makes construction project more environmental friendly
23. BIM Facility Management on Utility Tunnel
24. Contract Types that bring most value by BIM to construction project involving utilities
25. Replacement Point System - Pipeline Replacement Assessment
26. Advances in Trenchless Technology to Install Utilities in Hong Kong
27. The use of Building Information Modelling for Utility Protection and Installation in Hong Kong
28. Asset Management for Town Gas Safety – Experience Sharing of Hong Kong



Guest of Honors



Representative from
Ministry of Commerce of the People's Republic of China
中華人民共和國商務部
代表



Topic:
*BIM and Utility Asset Management -
New Dimension for Growth*

Ir WAI Chi-sing, JP 韋志成 工程師
Permanent Secretary of Development Bureau (Works)
常任秘書長 (工務)
Development Bureau, HKSAR
香港特別行政區發展局

Convenor of IIUS



Topic:
Challenges in Utility Asset Management

Ir Dr. King WONG 黃敬 博士 工程師
President, Hong Kong Institute of Utility Specialists (HKIUS)
香港管綫專業學會 會長
Convenor, International Institute of Utility Specialists (IIUS)
國際管綫專業學會 全球召集人

Guest Speakers (Alphabetical order by surname)



Topic:
*Legitimize Subsurface Utility Engineering to improve the
efficiency of urban underground infrastructure asset management*

Dr. Mohd Syazwan ABDULLAH
President
會長
Institute for Infrastructure Asset Management (Malaysian Chapter)
馬來西亞基建資產管理學會



Topic:
*Effects of time and cost overrun on
Utility Total Asset Management*

Dr. S. P. S. BAKSHI
Indian Society for Trenchless Technology
印度非開挖技術協會



Topic:
Water Intelligent Network

Mr. CHAU SAI-Wai 周世威 先生
Chief Engineer / Development (1)
總工程師 / 發展 (1)
Water Supplies Department, HKSAR
香港特別行政區政府水務署



Topic:
*Asset Management for Town Gas Safety –
Experience Sharing of Hong Kong*

Mr. CHAU Shu-man 周樹文 先生
Senior Electrical and Mechanical Engineer
高級機電工程師
Electrical and Mechanical Services Department, HKSAR
香港特別行政區機電工程署



Mr. DU Jianguo 杜建國 先生
Deputy General Manager
副總經理
Beijing Waterworks group Co. Ltd.
北京自來水集團有限公司



Topic:
*Distribution Cable Asset Management of
HK Electric*

Mr. IP Sung-tai 葉崇泰 先生
Chief Construction & Maintenance Engineer
輸配電料工程建設及保養部總工程師
The Hong Kong Electric Co., Ltd.
香港電燈集團



Topic:
*Asset Management for Town Gas Safety –
Experience Sharing of Hong Kong*

Mr. LAI Kam-to 黎錦圖 先生
Senior Network Operation Manager
高級網絡操作經理
The Hong Kong and China Gas Company Limited (Towngas)
香港中華煤氣有限公司



Topic:
*An Introduction to Underground Utility Management and
Surveying Stream in LSGI, The Hong Kong Polytechnic University*

Dr. LAI Wai-lok, Wallace 賴錦樂 博士
Assistant Professor
助理教授
Dept. of LSGI, The Hong Kong Polytechnic University
香港理工大學



Mr. LI Hau-keung, Richard 李巧強 先生
Acting Network Operations & Maintenance Manager (Shenzhen)
署理電網運行及及維修經理 (深圳)
CLP Power Hong Kong Limited
中華電力有限公司



Topic:
Pipeline Inspection and Condition Assessment

Mr. Vincent SHEN 沈建平 先生
Marketing Director (Asia Pacific)
Russell NDE Systems Inc., Canada
加拿大路賽爾技術有限公司



Topic:
*Total Subsurface Asset Management Requirements
an Indian Perspective*

Prof. Dr. Niranjan SWARUP
Executive Director
執行董事
Indian Society for Trenchless Technology
印度非開挖技術協會



Topic:
Smart Assessment of Pipe Condition

Ir Dr. Peter TSE 謝偉達 博士 工程師
Associate Professor
副教授
Dept. of SEEM, City University of Hong Kong
香港城市大學 系統工程及工程管理學系



Prof. ZHANG Xiaoxia 張曉霞 教授
Deputy Director
常務副主任
Beijing University - Civil Engineering and Architecture
北京建築大學 房地產法律研究所



Dr. ZHOU Lyu 周律 博士
Associate Professor
副教授
School of Environment, Tsinghua University
清華大學 環境學院

Others Speakers (Alphabetical order by surname)

Mr. Otto BALLINTIJN
Managing Director
Reduct NV
Belgium

Ir CHENG Chin-keong, Danny
Overseas Tunneling Manager
I.CO.P.S.P.A.
Italy

Mr. Alexander (Sandy) MACKAY, Donald
Geotechnical Manager (Branch Office)
Nishimatsu Construction Company Limited
Hong Kong





Conference Agenda

The 4th International Conference on Utility
Management & Safety (ICUMAS) Summit

Track 1	BIM
Track 2	Total Asset Management
Track 3	Laws and Regulations in China Construction Industry

Saturday, November 15, 2014

08:00 am - 08:45 am	Registration		
08:45 am - 09:00 am	Welcome Address		
09:00 am - 09:30 am	Exhibits Open	China Mega Infrastructure Projects (Representative from Ministry of Housing and Urban-Rural Development of the People's Republic of China)	
09:30 am - 10:00 am		Keynote Address: Ir WAI Chi-sing, JP, Permanent Secretary of Development Bureau (Works) BIM and Utility Asset Management – New Dimension for Growth	
10:00 am - 10:20 am		Coffee Break	
10:20 am - 10:50 am		Challenges in Utility Asset Management (Ir Dr. King Wong)	
10:50 am - 11:20 am		The Role of BIM in Asset Management	
11:20 am - 11:50 am		Smart Assessment of Pipe Condition	
12:00 nn - 1:30 pm		Lunch Buffet	
1:45 pm - 3:30 pm		BIM	<div>Total Asset Management</div> <div>Laws and Regulations in China Construction Industry</div>
3:45 pm - 4:15 pm		Talk	
4:15 pm - 5:00pm		Talk	
5:00pm - 5:15pm		Closing	



Registration Form

Charging Rate for the 4th ICUMAS		
Registration ¹	Standard Rate	Special Rate ²
Normal Registration	US\$390 / HK\$3,000 x _____ * = US\$ _____ / HK\$ _____	US\$270 / HK\$2,100 x _____ * = US\$ _____ / HK\$ _____
Sponsorship for advertisement (CIUP and ICUMAS Proceedings)	<input type="checkbox"/> Front Cover for US\$5,100 / HK\$39,000	
	<input type="checkbox"/> Back Cover for US\$4,250 / HK\$32,500	
	<input type="checkbox"/> Inside Front Cover / Front Title Page for US\$3,060 / HK\$23,400	
	<input type="checkbox"/> Inside Back Cover / Back Title Page for US\$2,040 / HK\$15,600	
	<input type="checkbox"/> Cross-color Pages for US\$1,700 / HK\$13,000	
	<input type="checkbox"/> Inside Pages for US\$1360 / HK\$10,400 per page	
Sponsorship (Others)	<input type="checkbox"/> Tickets for US\$850 / HK\$6,500 (Ten Thousand Tickets)	
	<input type="checkbox"/> Visitor Badge for US\$1,360 / HK\$10,400 (Ten Thousand Badges)	
	<input type="checkbox"/> Exhibitor badges for US\$510 / HK\$3,900 (One Thousand Badges)	
	<input type="checkbox"/> Inflatable Arches for US\$1,360 / HK\$10,400 per day	
	<input type="checkbox"/> Balloons for US\$850 / HK\$6,500 per day	

* Filling in the number of participants

Notes:

- Registration fee includes ICUMAS, CIUP, and copies of conference proceedings
- Special rate is valid for members from supporting organizations, the parties who form a group of 5 delegates or more

Delegate Details		
Title: Prof. / Dr. / Ir / Mr. / Mrs. / Ms.	Full Name (English):	
	Full Name (Chinese if applicable):	
Company/ Organization:		
Position:		
Address:		
City:	Country:	Post Code:
Phone:	Fax:	E-mail:
Other Delegates:		

(You may attach extra pages to reserve for more seats)

Applicant will be informed on upcoming news of International Institute of Utility Specialists (IIUS), Hong Kong Institute of Utility Specialists (HKIUS), Community & Construction Professionals' Development Centre (CCPDC) and Utility Training Institute (UTI). You have a right to request access to, and the correction of, your personal data to us by e-mail or fax. If you wish us to exclude your personal data for being informed on upcoming news purposes, please send us an e-mail or fax, along with your name and contact phone number, e-mail and address. Our e-mail and fax are info@iius.org.hk and (852) 2618 4500.

Payment Method

Submit application form with a local Hong Kong Cheque (No.: _____ / Bank: _____) made payable to "INTERNATIONAL INSTITUTE OF UTILITY SPECIALISTS", and mail to Room 209, Favor Industrial Centre, 2-6 Kin Hong Street, Kwai Chung NT Hong Kong. No refund can be arranged for unilaterally cancellation by applicants.

Other Payment Method - Telegraphic Transfer

Name of Bank: Bank of China (Hong Kong) Limited 中國銀行
 Name of Account: INTERNATIONAL INSTITUTE OF UTILITY SPECIALISTS
 Account No: 01256500102167 (HKD), 01256592187622 (Multiple Currencies)
 SWIFT CODE: BKCHHKHH
 For any enquiry, please call (852) 2967 0000 or email to info@iius.org.hk

Signature :

Organization Chop (If applicable):

Date:

