

International Institute of Utility Specialists (IIUS)

**The 4th International  
Conference on Utility  
Management & Safety  
2014 (ICUMAS)**

**AND**

**China International  
Underground Pipeline  
Exhibition & Conference  
2014 (CIUP EXPO)**

Event Report

Updated at 20 November 2014

2014



**Host Organizers:**



China Association of City Planning  
Underground Pipeline Committee



China International Center for  
Economic and Technical Exchanges

**Co-Organizers:**



China District Heating Association



China Gas Association



China Institute of Surveying and  
Mapping Engineering Measurement  
Branch



China Instrument  
and Control Society

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# 4<sup>th</sup> International Conference on Utility Management & Safety (ICUMAS) & China International Underground Pipeline Exhibition & Conference 2014 (CIUP EXPO)

## POST-CONFERENCE REPORT

### A. Introduction and Summary

The 4<sup>th</sup> International Conference on Utility Management & Safety (ICUMAS) and China International Underground Pipeline Exhibition & Conference 2014 (CIUP EXPO) took place in China National Convention Center in Beijing, CHINA, starting from 14 November 2014 to 16 November 2015.

The conference was a major event held by the International Institute of Utility Specialists (IIUS), China Association of City Planning Underground Pipeline Committee and China International Center for Economic and Technical Exchanges, to discuss popular issues on utility management and safety. It was the first time to organize ICUMAS 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 Utility Total Asset Management which focuses on the comprehensive management of utilities.

- *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.

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## B. Conference Agenda

The conference agenda from 14 – 15 November 2014 is enclosed.

After the exhibition opening ceremony, 4 sessions of conference were held in the afternoon of 14 November. While on 15 November, Mr. Ren Zhiyuan, the vice president of China Association of City Planning (任致遠 中國城市規劃協會副會長) and Ir Dr. King WONG, the convenor of International Institute of Utility Specialists and the president of Hong Kong Institute of Utility Specialists (黃敬 國際管綫專業學會全球召集人及香港管綫專業學會會長) delivered their welcoming speeches. After the opening, the guests of honor Ir WAI Chi-sing, JP, Permanent Secretary of Development Bureau (Works), HKSAR (韋志成工程師, 香港特別行政區政府發展局常任秘書長 (工務)) presented the topic of “Enhance Utility Asset Management through Technologies”. With their outstanding presentations, the conference was better than any success.



The final number of registered participants was close to 1000 participants, while that of speakers was close to 90. They were from different regions including Hong Kong, Shenzhen (China), Shanghai (China), Beijing (China), Taiwan, Malaysia, Belgium, Italy and India etc.

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*Mr. Ren Zhiyuan delivered his opening speech.*



*Ir Dr King WONG welcomed all guests.*

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*The guest of honor Ir WAI Chi-sing delivered his speech on the use of innovative technology in asset management 《技术创新在应用资产管理中的作用》*



*Dr. Liu Xiaoli, Ministry of Housing and Urban-Rural Development was presenting her studies on policies of Underground Utilities. 《地下管线政策宣贯与解读》*

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*Mr. Jemie WANG, the Chairman from Data Reporting & Evaluation Committee of Common Ground Alliance was addressing the up-to-date application on the utility information sharing in US. 《美国地下管线信息共享与“一呼通”挖掘专线应用》*

In the afternoon of 15 November, total 6 sessions were held to discuss the issues on utility safety and management. In other words, there were total 10 sessions. The followings were the main theme for each session:

1. 地下管线普查探测与信息化建设
2. 油气管网安全
3. 城镇供水管道漏水控制
4. 智慧城市管理创新论坛
5. 地下管线综合管理与安全发展
6. 地下管线创新发展
7. 智慧生态城市
8. 国际性管线管理及安全论坛(第一分場)
9. 国际性管线管理及安全论坛(第二分場)
10. 排水管道检测与评估

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*Attendees paid very much attention to the speakers.*



*One of the speakers explained how to apply sonic in underground utility (APL 地下 (PE) 管线探测仪—声学管线定位仪)*



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*The speech won a critical applause.*



*Session chair presented the Appreciation Certificates to every speaker.*

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## C. Papers and Presentation

After review and scoring by the Technical committee, more than 100 papers were selected for presentation, with each paper presented for 20 minutes plus sufficient time for questions and answers.

The papers and the presentation powerpoints were uploaded to the following websites:

[www.iius.org.hk](http://www.iius.org.hk)

[www.ccpdc.hk](http://www.ccpdc.hk)

[www.hkuis.org.hk](http://www.hkuis.org.hk)

[www.uti.hk](http://www.uti.hk)

<http://www.dxguanxian.org/>

Two papers were awarded Gold Prize:

(1) 《地下排水管线地理信息水力建模与城市内涝防治应用》获奖人：解智强、何江龙、高忠、侯至群、王贵武。

(2) 《探地雷达探测城市地下管线周边病害的几个要点分析》获奖人：苏兆锋、陈昌彦、贾辉、肖敏、张辉。



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## Four papers were awarded Silver Prize:

- (1) 《公共管理视角下地下管线综合管理的研究》 获奖人：王香治。
- (2) 《监测排水管道专业系统的设计与算法开发》 获奖人：Esmond MOK 等。
- (3) 《城市地下管线消隐工程行政审批优化需求分析》 获奖人：王艳霞、刘克会。
- (4) 《激光吸收光谱技术在燃气泄漏检测中的应用》 获奖人：袁敏、毋焱、邓勇、杨帆。



## Eight papers were awarded Bronze Prize:

- (1) 《地下空洞的探地雷达图像解释技术研究》 获奖人：李强。
- (2) 《城市地下管线综合规划编制思路探讨》 获奖人：唐俊平、张文中、李正兆。
- (3) 《供水管网监测系统的设计与实现》 获奖人：高小伟、于莉楠、黎维彬、李铁军。
- (4) 《基于 PIS 的管道完整性管理信息化实践》 获奖人：贾韶辉、周利剑、张华兵、郭磊。

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(5) 《南方大城市排水管道非开挖修复适用技术决策》获奖人：周律、赵巨尧、羊小玉、安关峰、刘添俊、张洪斌、李思敏。

(6) 《武汉市城市地下管线综合信息平台设计与实现》获奖人：肖建华、王厚之、彭清山、谭仁春、卢丹丹。

(7) 《用 FDEM 法探测深埋油气管道方法技术的分析与思考》获奖人：鲁永康、杨宇山、鲁星、黄玉金、宋俊磊、孟永良。

(8) 《地下管线二三维一体化系统实现方法研究与应用》获奖人：朱金丛、郑睿博。



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## D. Exhibition

The exhibition started from 14 November 2014 to 16 November 2014 in the same venue of the captioned conference, ie China National Convention Center. Exhibitors came from a wide range of categories, such as Environmental Engineering, Trenchless Technology, Detection Equipments and Radar etc. The exhibition drew around 10,000 visitors.

Prestiged guests have attended the opening ceremony of the exhibition:

1. DENG Shou-peng, Director of Development Research Center of the State Council 国务院发展研究中心原局长邓寿鹏
2. WEN Zong-yong, Director of Undergroud Pipeline Committee of China Association of City Plan 中国城市规划协会地下管线专业委员会主任温宗勇
3. Jemmie WANG, President of American Common Ground Alliance - Data Reporting & Evaluation Committee 美国地下管线基础设施联盟主席 Jemmie Wang
4. ZHU Wei, Deputy Director of Beijing Research Center of Urban System Engineering 北京城市系统研究中心副主任朱伟
5. FENG Jie, Director of China International Center for Economic and Technical Exchanges 商务部经济技术交流中心处长冯捷
6. Ir Dr. King WONG, Convenor of International Institute of Utility Specialists 国际管线专业学会全球召集人黄敬博士
7. Deputy Secretary-General of Water Supplying Standard Committee of Ministry of Housing and Urban-Rural Development 住建部市政给排水标准委员会副秘书长
8. ZHENG Xiao-ming, Deputy Director of 中国水协科技委副主任郑小明
9. MA Chang-chen, Deputy Secretary-General of China Gas Association 中国城市燃气协会副秘书长马长城
10. GUAN Xin, Director of China District Heating Association 中国城镇供热协会主任关欣
11. MA Mu-zhou, Office Informatization 办公自动化杂志社马慕周
12. WANG WU-sheng, Deputy Secretary-General of Beijing City Management Technology 北京城市管理科技协会副秘书长王五胜
13. LI Jian-hua, Secretary-General of Undergroud Pipeline Committee - Petroleum and Chemical Engineering 石油和化工地下管线专业委员会秘书长李建华等
14. MA Zhen-tao, General Manager of Langfang International Conference and Exhibition Co., Ltd 廊坊国际管道会展有限公司总经理马振涛

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



*MA Zhen-tao, General Manager of Langfang International Conference and Exhibition Co., Ltd chaired the opening.*

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*Ir Dr. King WONG, Convenor of International Institute of Utility Specialists(IIUS) conducted the opening speech in the exhibition.*



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

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*Countless visitors were exploring different exhibition counters.*

The exhibition area was 8000m<sup>2</sup> with around 120 exhibitors who came from four corners of the globe.

**Pipelines:** Shandong Longquan Pipeline Engineering Co., Ltd 、 Beijing Hanjian Heshan Pipeline Co.,Ltd 、 Dalian Mingda Concrete Structures Co., Ltd etc ；

**Trenchless Techonology** : Henrenk (Germany) Tunnelling Systems 、 Komatsu (China) Investment Co., Ltd 、 Dong Lu Gao Ke (Henan) RFID Co., Ltd. 、 Getlink (Shanghai) Information Technology Co., Ltd etc ；

**Detection Engineering** : Shangdong Zhengyuan Geophysical Information Technology Co., Ltd 、 Baoding Jin Di Science Technology Development Co., Ltd ；

**Equipments** : Leidi Limited 、 Beijing Adler 、 Beijing Polytide Instruments Co., Ltd 、 China Research Insitute of Radio Wave Propagation ；

**Softwares** : Worldtex & Co., (Int'l) Limited 、 Kingtop Information Technology (Xiamen) Co., Ltd 、 EarthView Image Inc. etc ；



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**Municipal construction** : Yu Tong Municipal Engineering Co.,Ltd. etc ;

**Utility Mapping** : Hi-Target 、 Beijing Orange Lamp Geophysical Exporation Co., Ltd etc ;

**New Materials** : Xiamen Huoju Special Metal Materials Co., Ltd etc ;

**Safety** : Chongqingshi Rongguan Technology Co., Ltd 、 Beihang University



*One of the exhibitors was demonstrating their advanced equipments.*

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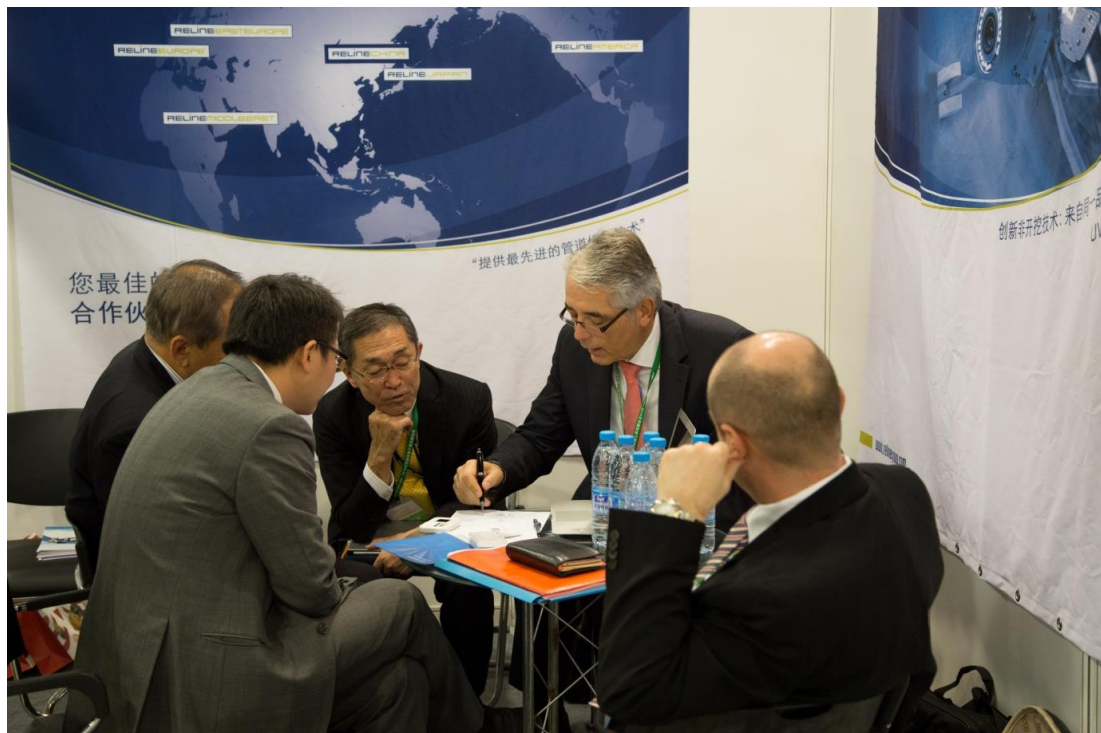
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*Exhibitors were interacting with different visitors*



*Exhibitors were having a deep discussion with visitors on their research outcomes.*

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## 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:

### Approved by 批准單位:

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

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

### Co-organizers 協辦單位:

1. China Gas Association 中國城市燃氣協會
2. China District Heating Association 中國城鎮供熱協會
3. China Institute of Surveying and Mapping-Engineering Measurement Branch 中國測繪學會工程測量分會
4. China Instrument and Control Society-Automation Branch 中國儀器儀錶學會自動化分會

### Supporting Organizations 支持機構:

1. Indian Society for Trenchless Technology 印度非開挖技術協會
2. Macau Utilities Association 澳門管綫協會
3. Taiwan Construction Engineering Association 社團法人台灣營造工程協會
4. Shenzhen Engineers Association 深圳市工程師聯合會
5. Hong Kong Institute of Utility Specialists 香港管綫專業學會
6. Community & Construction Professionals' Development Centre(Hong Kong) 社區、建造及工程專業發展中心(香港)
7. Institute for Infrastructure Asset Management (Malaysia) 基礎設施資產管理學院(馬來西亞)
8. Construction Industry Council 建造業議會
9. Beijing Waterworks Group 北京市自來水集團有限責任公司

### Supporting Organization Logos:

澳門管綫協會  
Macau Utility Association



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CCPDC 社建  
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Hong Kong Institute of Utility Specialists



Indian Society for  
Trenchless Technology



Shenzhen Engineer  
Association



Taiwan Construction  
Engineering Association



北京市自来水集团  
BEIJING WATERWORKS GROUP

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

Utility Training Institute 管綫學院

## F. 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)

## G. Appendices

- Appendix A. Conference Agenda
- Appendix B. List of Exhibitors
- Appendix C. CD (Photos and Conference Materials)