

國際銅業協會 函

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附件：論壇議程、報名表

主旨：本會將於本(102)年4月18日(星期四)於韓國首爾辦理第一屆國際電線電纜技術論壇，敬邀 貴單位派員參加，請 查照惠復。

說明：

- 一、本會(官網:CopperAlliance.org)為全球首要銅相關材料新興技術研究與推廣單位，亦為APEC Expert Group on Energy Efficiency & Conservation小組成員，長期與各國科研中心、綠能推廣機構及機電製造業者合作推廣高效能設備並推動國際技術交流。
- 二、鑒於全球產業快速變遷及綠能趨勢，本會與韓國電機公會及LS NIKKO Copper將於本(102)年4月18日(星期四)假首爾COEX Intercontinental Hotel辦理第一屆國際電線電纜技術論壇，針對最新電纜標準趨勢、最佳能效設計、電網規畫、超電壓設計及材料測試等技術專題進行探討。詳細議程請見附件。
- 三、海外專家參加該論壇免費，機票與當地食宿請自費，貴單位若欲派員參加，請於4月9日(星期二)前將報名表Email本會李翊萍專員，俾據以續辦。

正本：

副本：

國際銅業協會

第一屆首爾國際電線電纜技術論壇報名表

April 18th 2013 COEX Intercontinental Hotel Seoul, Korea

單位名稱	中文：			
	英文：			
地 址	中文：			
網 址				
參加人 1	姓 名 (同護照)	中：	電話	
		英：	傳真	
	E-mail			
	職稱及工作 職掌/研究 範疇			
參加人 1 名片正面		名片反面		
參加人 2 (If Any)	姓 名 (同護照)	中：	電話	
		英：	傳真	
	E-mail			
	職稱及工 作職掌/ 研究範疇			
參加人 2 名片正面		名片反面		
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1st International Cable and wire Technical Forum in Seoul



April 18th 2013

COEX Intercontinental Hotel

Seoul, Korea

Presented by

LS Nikko Copper Inc.

International Copper Association Ltd.

Korea Electrical Manufacturers Association(KOEMA)

**International Cable & wire
Technical Forum in Seoul (ICTFS)**

International Copper Association & LS Nikko brings together a first of its kind Technical Forum to share many possible solutions for the wire & cable industry to meet the current challenges related to energy savings and technological developments.

The Wire & Cable Industry is obligated to meet demands such as infrastructure replacement, planned system upgrade and new capital investment which need to comply to improved and mandatory reliability standards. However, there are noticeable complexities in the form of technical knowledge gap, capital and workforce challenges that hinder planning, designing and maintaining of cable and wire which primarily are essential in information and communication system

Objective

The objective of this technical forum is to create a platform to share current technological developments and best practices in design and manufacturing process and means of promoting cables as clean energy solution in order to optimize the environmental impact of its lifecycle.

The forum will focus on:

- **Opportunities of energy savings,**
- **Reduce total ownership cost and**
- **Establish efficient long term basis reliability in the total systems.**

This technical forum is therefore intended to provide best standard and solutions by sharing experiences as well as understanding new technologies for future needs & demands.

Who should attend?

Senior stakeholders from within and outside of Asia, who are responsible for, or contribute to business strategy and development. Attendees include:

- **Wire & cable manufacturers & designers**
- **Wire & cable technology and equipment suppliers**
- **Government / Official bodies**
- **Trade/ Industry associations**
- **Green Energy Solution regulators**

Forum Format

- 1 full day technical forum.
- Interpreter prepared / English & Japanese (If any)
- Lunch will be prepared

Sponsors**LS-Nikko Copper Inc.** <http://www.lsnikko.com>

LS-Nikko Copper is the global leader with the world-best metal producing technology.

Since Janghang refinery's launch in 1936, LS-Nikko Copper has contributed in Korea's industrial development and taken lead in "resources-rich Korea" through strengthening metal recycling and overseas resource development projects. LS-Nikko is the member of ICA in Korea.

International Copper Association <http://copperalliances.org>

As global issues such as energy, climate change and health become more urgent, copper plays an important role in almost every industry. The International Copper Association, Ltd. (ICA), its 43 members and the alliance of national and regional associations responsible for program development and implementation with the ICA's more than 500 current program partners around the world defend and grow markets for copper based on its superior technical performance and its contribution to a higher quality of life worldwide.

ICA, leading Copper Alliance™, is responsible for guiding policy and strategy and for funding international initiatives and promotional activities. Headquartered in New York, the organization has offices in four primary regions: Asia, Europe and Africa, Latin America and North America. Copper Alliance™ programs and initiatives are executed in more than 60 countries through its regional offices and 26 copper promotion centers.

Korea Electrical Manufacturers Association <http://www.koema.or.kr>

Korea Electrical Manufacturers Association (KOEMA) is a non-profit organization of electrical manufacturers that was established in 1990 pursuant to the Special Act of the Korean government, with the mandate to foster Korea's electrical industry and to contribute to the development

of the national economy. KOEMA is entirely focused on meeting this objective and responding to the changing environment.

The Electrical Industry Information Network will provide information to users related to electrical companies, items, technologies, policies, and a diverse range of statistics.

Presenters

KEPCO Research Institute (KEPRI) <http://www.kepri.re.kr>

Korea Electric Power Corporation (KEPCO) has achieved excellent performance in the area of power supply reliability and power quality based on technologies related to power system operation and management developed by the KEPCO Research Institute, KEPRI. These technologies have been adopted not only in Korea but by power utilities in other countries, as well. Of these, 74 cutting-edge technologies capable of enhancing the efficiency and reliability of power systems are introduced here. They are categorized into Generation, Transmission, Distribution and Renewables/ICT.

As utility companies look to upgrade their power systems, KEPCO looks forward to explaining or providing more information on the aforementioned technologies.

DNV KEMA <http://www.kema.com>

KEMA, established in 1927, is a global energy consultancy company headquartered in Arnhem, Netherlands. It offers management consulting, technology consulting & services to the energy value chain that include business and technical consultancy, operational support, measurements & inspection, and testing & certification services.

On 22 December 2011, DNV acquired 74.3% of KEMA's shares, creating a global consulting and certification company with over 2,300 experts in more than 30 countries around the world, DNV KEMA is committed to driving the global transition toward a safe, reliable, efficient, and clean energy future. The company is headquartered in Arnhem, the

Netherlands. DNV KEMA is one of three companies in the DNV Group, alongside DNV Maritime and Oil & Gas and DNV Business Assurance

The Japanese Electric Wire and Cable Makers' Association (JCMA)

<http://www.jcma2.jp/index.htm>

JCMA has been established at 1948 named "Electric Wire and Cable Club" and changed to "Japanese Electric Wire and Cable Industry Association". According to New Public beneficial incorporation code, our organization has been renewed as a "Japanese electric wire and Cable Makers association" at April.1st Y2012. We JCMA are trying to help for sound development of cable and wire industry, growth of Japanese economics and also contribute promoting human welfare under our purpose of establishment.

ph.D. JongBeom Lee / Professor, WonKwang Univ. Electric Engineering

ph.D Hanyang Univ.

Director of KERI Underground Cabling Research Lab

Research Professor of Berlin Univ. in Germany

Research Professor of Brunel Univ. and City Univ. in U.K.

Visiting Professor of Texas A&M Univ., California State Univ., Sacramento Univ. in USA

Research Professor of Wisconsin Univ. in USA

Chairman of Electric Power Technology, The Korean Institute of Electric Engineers

Chairman of CIGRE Korean committee, Undergrounding Cabling system research center

Vice Chairman of CIRED Korean committee

Member of MKE, Electrical committee

Technology consultant of KEPCO, Underground cabling system



Thursday, Apr.18th 2013

Agenda

Pre Session	
8:30am	Registration
9:00am	Introduction and Welcome <ul style="list-style-type: none"> - Mr. S.J. Chyun, LS Nikko
9:10am	Greeting Speech <ul style="list-style-type: none"> - Mr. S.C.Chang, KOEMA
Session I	
9:20am	ICA Program and Strategy in Cable and Wire <ul style="list-style-type: none"> - Mr. Colin May, ICA
9:40 am	Technology Trend of Cabling System and Standard <ul style="list-style-type: none"> - Mr. Frand de Wild, DNV KEMA
10:15am	Korean Research of Cabling <ul style="list-style-type: none"> - Dr. JW Kang, KEPRI
10:45am	Coffee Break
11:00am	Energy Efficiency Conductor Size Optimization & Status of Japan <ul style="list-style-type: none"> - Mr. Harada, JCMA
11:40am	Q&A
12:00pm	Lunch
Session II	
13:00pm	Power Distribution in the Context of Nation Building : The Singapore experience <ul style="list-style-type: none"> - Mr. Louis Koh, ICA
13:40pm	The Importance of Transient Overvoltage Analysis in Underground Power Cable Systems <ul style="list-style-type: none"> - Dr. JB Lee, WonKwang Univ.
14:10pm	Coffee Break
14:30pm	Cable Material and Ageing Test <ul style="list-style-type: none"> - Mr. Frand de Wild, DNV KEMA
15:10pm	CAC-HLL: Copper Alloy Conductor Hydrophobic Low Losses for OHL <ul style="list-style-type: none"> - Mr. Gustau Castellana, LAFARGA
15:50pm	Q&A
16:15pm	Closing <ul style="list-style-type: none"> - Mr. Mayur Karmarkar, ICA