

## Taipei Power Forum-2010 LEV Symposium; March 18, 2010

The electric scooter industry is booming in Taiwan since Taiwan government raised the strategy to promote one hundred and sixty thousand electric scooters on road through subsidiary program in four years. In the meanwhile, Taiwan government set up the global leading specification for electric scooter performance and safety tests.

The LEV Symposium will be held during Taipei Cycle Show at TWTC NanGang Exhibition Hall Room 401 on March 18, 2010. This year's main topics are related to international market, regulation and standard for light electric vehicles. Simultaneous interpretation is provided for both of English and Chinese. The auxiliary programs include 2010/3/16 EnergyBus workshop, 3/19~20 Power Lithium Ion Battery workshop, 3/17~20 LEV pavilion and test ride activities.

Organizer:  **ITRI**  
Industrial Technology  
Research Institute



**Taiwan External Trade Development Council, TAITRA**



**ExtraEnergy Org.**

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## Taipei Power Forum-2010 LEV Symposium

- ◆ Date : March 18<sup>th</sup>,2010
- ◆ Place : TWTC NanGang Exhibition Hall Room 401  
(<http://www.twtcnangang.com.tw/?Lang=en-US>)
- ◆ Simultaneous interpretation is provided for both of English and Chinese.
- ◆ Program Details:

08:30 ~ 9:30	Check in
9:30 ~ 12:20	Opening
Session A International Market	<p>Topic A1:</p> <p>Light Electric Vehicle Market In EU</p> <p>Daniel Greiner/ President, eweco gmbh Switzerland ;</p> <p><b><u>Introduction:</u></b> What are the criteria for a winning E-vehicle market in Europe? What are the technical and cost requirements for a successful LEV in particular? Which regulations need to be fulfilled for LEV? What kinds of incentives are available from governments? The speaker from eweco gmbh (Switzerland) will share his experience and will propose the specifications for next generation LEV. You shall not miss the chance!</p> <hr/> <p>Topic A2</p> <p>Two-Wheel Electric Vehicle Market In China</p> <p>Ma Guilong/ Chief Scientist of China Electric Bicycle Association, China</p> <p><b><u>Introduction:</u></b> China is the biggest two-wheel electric vehicle market in the world and the China government is working on national standard for two-wheel electric vehicle. You shall not miss this topic if you have business in China.</p> <hr/> <p>Topic A3</p> <p>The US Market is “Ready” for Electric Powered Two Wheeled Vehicles!</p> <p>Jack Roberts / President, J-K Products Int’l Inc. USA</p> <p><b><u>Introduction:</u></b> What are the requirements for LEV market in</p>

USA? Which regulations and standards need to be fulfilled? The speaker from USA who is an electric scooter buyer will point out what are the buyers' needs. You shall not miss the chance!

Topic A4

New Product Announcement- Super Light Foldable Pre-Mobility Scooter

Michael Chen/ Director, Freerider Co., Taiwan

**Introduction:** How to break the low profit dilemma in mobility scooter field? How to change the marketing rules and revive the kingdom of mobility scooter in Taiwan? The Freerider Co. make use of government resource to develop a 22kgs of Super Light Foldable Pre-Mobility Scooter and will show it on 2010 Taipei Cycle Show - LEV Pavilion.

Topic A5

New Product Announcement- Dual System for Scooter

Michael Chen/ CEO/ Reduce Carbon Energy Develop Ltd. Co., Taiwan

**Introduction:** What are the obstacles of electric scooter market? Dual system can be very easy. How to integrate the advantage of gasoline and electric? How to make a good partnership with existing motorcycle dealers? The speaker who is an EV enthusiast will show the dual system kit in symposium.

12:20 ~ 13:30

Lunch

13:30 ~ 15:30

Session B  
Standard and  
Regulation

Topic B1

Safety Concerns and Standards of Power Li-ion Batteries in LEV Application

Carl K. Wang /Director, UL Advanced Energy Safety R&D Center, Taiwan

**Introduction:** The speaker from UL will share his experience on safety issues of power Li-ion batteries, safety concerns of applying Li-ion batteries in LEV, safety standards and testing

methods of Li-ion batteries and development of UL LEV safety standards. You shall not miss it.

#### Topic B2

The EU Regulations of LEV and Li-Battery: Safety First!

Tim Schäfer, Head of Strategic Coordination, Li-Tec Battery GmbH/Germany, and BATSO Battery Safety Organization

**Introduction:** Safety First! For Energy Systems, leading the trend, electric mobility. What is the latest regulation of LEV in EU? What is En15194, En12184? What is the consequence of the German battery legislation and UN T-test 38.3, resp. UN Manual of Tests and Criteria? Status and outlook. You shall not miss this speech if you would like to have a successful business in EU.

#### Topic B3

Electric Scooter Market & Test Methods in Taiwan

BM Lin/ Manager/ ITRI MCL.

**Introduction:** The speaker will share the Taiwan electric scooter market as well as the update electric scooter test methods, tested experiences and would like to exchange views with industries.

15:30 ~ 15:45

Break

15:45 ~ 17:45

Session C

Infrastructure

#### Topic C1

The Promotion of EnergyBus for Light Electric Two-Wheelers

Hannes Neupert/ President, ExtraEnergy Org., Germany

**Introduction:** EnergyBus is a new industry standard for connecting electric components of LEVs. It is the key for energy supplement for battery exchange or charge stations. It consists of a plug family, communication protocol, and energy management. EnergyBus is currently being developed under the lead of EnergyBus e.V. in cooperation with CAN in Automation e.V.

#### Topic C2

The Challenge and Selection of Li-ion Battery for EV

Applications

Mo-Hua Yang/ CTO/HiTech Energy, Taiwan

**Introduction:** Battery is the key for EV Commercialization. This

topic will share the update technology of power Li-battery and its challenges in applications.

Topic C3

Li-battery Is Safe – Let's Talk When and How

James A. Barnes / U.S. Department of Energy, the United States

**Introduction:** Li-battery is safe basically, but you will learn more in this speech about how to prevent and handle a battery accident.

17:45

End

19:00

**VIP Banquet**

**Taipei Power Forum-2010 LEV Symposium; March 18, 2010****Registration Application****By Fax: 886-3-5820039; By E-mail:theresasuen@itri.org.tw****Contact person: Theresa Suen; Tel: 886-3-5916823; E-mail:theresasuen@itri.org.tw****Place: TWTC NanGang Exhibition Hall Room 401****A: Registration Fee**☐ (1) NT2,500/person Before March 01,2010 .☐ (2) NT3,500/person Before March 16,2010 .☐ (3) NT4,500/person After March 16,2010☐ Vegetarian

Number of Persons to register: \_\_\_\_\_

**B: VIP Banquet**☐ (1) NT2,000/person Before March 01,2010.

Number of Persons to register: \_\_\_\_\_

**A+B Total price: \_\_\_\_\_**

Company:

Name of Participants:

Address:

Phone/Fax:

Email:

Signature:

**Please select your preferred payment method:**☐ Bank transfer:(Please send the confirmation of bank transfer to theresasuen@itri.org.tw)

Bank Name : Mega International Commercial Bank, Hsinchu Branch

Bank Address : 69 Tung Chien Street, Hsinchu, Taiwan, Republic of China

Swift Code : ICBCTWTP203

(Beneficiary) Account Number : 203-53-00029-0

(Beneficiary) Account Name : Industrial Technology Research Institute

☐ Cash payment on March 18 before the start of the Symposium (9 a.m.)☐ Credit card in advance. Please fill in the following Information:Credit card company: ☐ Visa ☐ Mastercard Card No: \_\_\_\_\_Good through: MM/YY\_\_\_/\_\_\_; 3 digit security code: ☐☐☐

Card Holder Signature: \_\_\_\_\_