

2011

Taipei Power Forum

2011 Taipei Power Forum (2011 TPF) will be held from 3/17~3/19 at Room 401 of Taipei World Trade Nangang Exhibition Hall during Taipei Cycle Show (<http://www.taipeicycle.com.tw>). On March 17, the program will focus on LEV global market, products, technology and operation management. On March 18~19, the program will include power lithium battery technology, LEV and EV system needs, related materials technology, testing and standards.

2011 TPF will invite local and international professionals to share global marketing information, new technology and regulations. In order to meet the needs of international buyers and to build smooth communication platform, 2011 TPF will provide simultaneous Chinese/English, English/Chinese translation. 2011 TPF will be the most exciting and fruitful LEV and EV forum which you may not want to miss.

◆ **Organizer:**



Taiwan External Trade Development Council TAITRA



Taiwan Battery Association

◆ **Co-organizer :**



LIGHT ELECTRIC VEHICLE ASSOCIATION



Taiwan Automotive Research Consortium (TARC)

◆ **Sponsors :** **AVERE** European Association for Battery, Hybrid and Fuel Cell Electric Vehicles



IEA INTERNATIONAL ENERGY AGENCY– Implementation Agreement (Annex)

◆ **Date : March 17-19 , 2011**

◆ **Place : TWTC NanGang Exhibition Hall Room 401**

***Simultaneous interpretation is provided for both of English and Chinese.**

***Contact person:**

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2011 Taipei Power Forum Electric Two-Wheeler Symposium

- ◆ Date : March 17th,2011
- ◆ Place : TWTC NanGang Exhibition Hall Room 401(www.twtcnangang.com.tw/?Lang=en-US)

March 17, 2011

Agenda

8 : 30 ~ 9 : 30	Registration
9 : 30 ~ 12 : 00 Session A Marketing	<p>Opening</p> <hr/> <p><u>Topic A1</u> "Becoming World's Largest Vehicle Industry: What is Required?" <u>Speaker:</u> Mr. Ed Benjamin, Chairman of LEVA; <u>Introduction:</u> Anticipating a Market of 130 Million Electric Two Wheelers in 2025. What Industry and Governments Must Do Quickly to Be Prepared With Appropriate Product and Support?</p> <hr/> <p><u>Topic A2</u> The Indian Market and Experience Sharing for Electric Two Wheelers <u>Speaker:</u> Mr.Naveen Munjal of Hero Electric India <u>Introduction:</u> The speaker from the biggest electric vehicle seller in India will share the Indian LEV market as well as subsidiary program, national standard and regional regulations of India. You shall not miss this opportunity if you are interested in Indian LEV market.</p> <hr/> <p><u>Topic A3</u> Recent Development and Future of China Electric Two-Wheeler Industry-E-Bike and Related Lithium-ion Battery <u>Speaker:</u> Mark Lu/Certified Industrial Analyst/ITRI IEK <u>Introduction:</u> The development of China Electric Two-Wheeler industry is rapidly. Except of the support from government subsidy, more and more new manufacturers cause the result. This topic will begin to introduce the recent status of industry and market, and then analyze the effect from subsidy, players, battery and future trend.</p> <hr/> <p><u>Topic A4</u> Electric Scooter Market & Government promotion strategy in Taiwan. <u>Speaker:</u> Ming Une Jen Ph.D./ITRI/MSL ; BM Lin Manager;/ITRI MCL <u>Introduction:</u> Taiwan government has announced a set of test method for electric scooter's performance and safety called TES as well as a subsidization policy. What is next? This topic will share the government strategy for extending driving range and cost down.</p>
12 : 00 ~ 13 : 30	Lunch & visit EV Pavilion N1214
13 : 30 ~ 15 : 30 Session B Product and Technology	<p><u>Topic B1</u> Optimize the matching of battery and vehicle system <u>Speaker:</u> MING-TANG YANG/ Assistant Vice President of Yamaha <u>Introduction:</u> Yamaha, the famous brand of electric scooter in the world, its development always influence industry. The speaker will share his experience on</p>

	<p>developing the electric scooter with attendants. You shall not miss this great opportunity to communicate with Yamaha.</p>
	<p><u>Topic B2</u> Heat Dissipative Research in Battery Pack for Light-Electric Vehicles <u>Speaker:</u> Chang Chin-Chuan Ph.D./ITRI/MCL <u>Introduction:</u> The cycle life of batteries close relates to the temperature history during operation also influences the using cost directly. This topic will share the E-scooter battery test result which was through heat dissipative design to control the maximum temperature under 50degC and non-uniformity under 4degC.</p>
	<p><u>Topic B3</u> Safety investigation of lithium ion battery/module <u>Speaker:</u> DT Shieh, Ph.D./ITRI/MCL <u>Introduction:</u> Safety is the most important issue for module of lithium ion batteries. The safety behavior for single cell is different with that for modules. In this topic, we will discuss the safety behaviors of module and cells during some abuse conditions, like overcharge, external short, internal short.</p>
<p>15 : 30 ~ 15 : 45</p>	<p>Break</p>
<p>15 : 45 ~ 17 : 45 Session C Operation Management</p>	<p><u>Topic C1</u> The Recycling Process of Lithium Ion Battery and Prospect ion <u>Speaker:</u> F.R. Yang Ph.D./ITRI/GEL <u>Introduction:</u> Lithium battery recycling is becoming an important environmental issue. This topic will describe the status of lithium battery recycling and treatment technology as well as its business opportunity.</p>
	<p><u>Topic C2</u> The Technology and Practical Operation of Electric Scooter Accommodate Multi-Battery packs. <u>Speaker:</u> Tinville Tung/CEO of Porta Power (HK) / Macau Motor Traders Association <u>Introduction:</u> Electric scooter accommodates multi-battery packs for extending driving range. Is the technology ready for it? This topic will share with you how it work and the multi-battery packs electric scooter practical operation in Macau.</p>
	<p><u>Topic C3</u> Service Strategy for Electrical Scooters <u>Speaker:</u> Paul Huang Ph.D./ ITRI/ TCSI <u>Introduction:</u> How to reduce the cost of electric scooters is a critical issue to promote the electric scooter into the market. This topic will analyze how to make a breakthrough of cost-down by using business models.</p>
	<p><u>Topic C4</u> Would electric scooter be another electric 2-wheeler welcome in Europe? <u>Speaker:</u> Han Goes/ Q SQUARE <i>Managing Consultant</i> <u>Introduction:</u> The market of electric bike in Europe has over 1 million units now. Diversified electric vehicle is an evolution trend in the future. Is it a chance for electric scooter to get into Europe? When and how? Please take a seat in this symposium.</p>

17 : 45	The End
18 : 40	TPF VIP Banquet + LEVA Network Dinner

2011 Taipei Power Forum

The Lithium Ion Power Batteries Symposium

- ◆ Date : March 18th-19th,2011
- ◆ Place : TWTC NanGang Exhibition Hall Room 401 (www.twtcnangang.com.tw/?Lang=en-US)

March 18, 2011

Agenda

8 : 30 ~ 9 : 30	Registration
9 : 30 ~ 12 : 00 Session A The Status of the Lithium Battery Industry	Opening Topic A1: The Status of the Lithium Battery Industry in Taiwan Speaker: Mr. Wen Tsan Lu/ MOEA IDB Taiwan Topic A2: Development Trend of Lithium Ion Battery for EV Speaker: Dr. Toru Amazutsumi / CEO & CTO of Amaz Techno-consultant, LLC Topic A3: The Status of the Lithium Battery Industry in China Speaker: Dr. J.W. Chang/ATL Topic A4: The Electric Vehicle market in Europe Speaker: Dr. Robert Stüssi, Vice President of World Electric Vehicle Association(WEVA)
12 : 00 ~ 14 : 00	Lunch & visit EV Pavilion N1214
13 : 30 ~ 15 : 40 Session B The Requirements in EV/LEV	Topic B1: The Requirements of Li-ion Batteries in EV/LEV Speaker: Dr. Mosk. Toyota Labs.co.jp Topic B2: The development status and future strategy of Japan EV company and the power battery policy Speaker: Dr. HORIE, HIROSHI/ Nissan.co.jp Topic B3: The Requirements of Li-ion Batteries in LUXGEN EV Speaker: Dr. Francis Jen /Hua-chuang Automobile Information Technical Center Co.
15 : 40 ~ 16 : 00	Break
16 : 00 ~ 17 : 40 Session C Standards & Testing	Topic C1: Recent Development of EV/LEV Battery Pack at Simplo Speaker: David Tsai, Simplo Technology Topic C2: UL Global Activities in EV and Related Infrastructure Speaker: Carl K. Wang, Ph.D. As a world leader in safety testing and certification, UL continues to lead the effort to promote safety for electric vehicles and related infrastructure by developing new testing methodologies that are subsequently reflected in the safety and performance standards developed by UL This speech will introduce UL's recent global activities and standard development addressing the safety for EV and EV related infrastructure. Topic C3: Understanding Cell Capacity Variation and Imbalance Speaker: Prof. Bor Yann Liaw/ Hawaii University, USA
17 : 40	The End

March 19, 2011

Agenda

9 : 00 ~ 9 : 30	Check In
9 : 30 ~ 12 : 10 Session D Technology of Lithium ion power cell	Topic D1:Development of Power Batteries in SANYO
	TopicD2:Development of Power Batteries in EnerDel Speaker: Dr. Naoki Ota / EnerDel Co.
	TopicD3:The Development of High Power Li-ion MOLICEL® Cells Speaker: Dr. Tsung Tien Cheng / E-One Moli, Taiwan
	Topic D4:Development of Power Batteries in Amita Speaker: Dr. Jim Cherng / Amita Tech. Inc. Taiwan
12 : 00 ~ 13 : 30	Lunch & visit EV Pavilion N1214
13 : 30 ~ 15 : 30 Session E Materials of Lithium ion power batteries	Topic E1:Development of New Materials for Lithium ion Batteries in Japan Speaker: Dr. Kiyoshi Kanamura /Tokyo Metropolitan University
	TopicE2:High Energy and High Power Systems for Green Transportation Speaker: Dr. Karim Zaghbi/ HydroQuebec Co.
	Topic E3:Composite Electrode Materials for Li-ion Batteries Speaker: Dr. Jing Ming Chen/ ITRI
15 : 40 ~ 16 : 00	Break
16 : 00 ~ 17 : 40 Session F Materials of Lithium ion power batteries	Topic F1:Nano Graphene for Li-ion Cell Speaker: Dr. Bor Z. Jang/ Wright State University, Dayton, Ohio,USA The use of graphene as a nano filler in a composite material and as a functional ingredient in an energy system (supercapacitor, battery, and fuel cell) are imminent. However, the availability of processable graphene sheets in large quantities is essential to the success in exploiting composite and other applications for graphene. This presentation begins by a review of the current processes for producing NGPs and their composites, which is followed by a discussion on the new advances in NGPs for energy applications. These applications include using NGPs as a supercapacitor electrode material, a supporting substrate for lithium-ion cell electrodes, an anode active material for a Li-ion cell, a conductive filler for fuel cell bipolar plates, and a supporting matrix for electro-catalyst.
	TopicF2:Development of Separator Materials for Lithium ion Batteries in Asahi Kasei Chemicals Co. Speaker: Dr. Sako San/ Asahi Kasei Chemicals Co..
	Topic F3:Development of Separator Materials for Lithium ion Batteries in Mithubish Paper Co. Speaker: Mr. Ikuo Fujita / Mithubish Paper Co.
17 : 40	The End

◆ Registration fee* (Currency NTD):

DATE	3/17		3/18,3/19			3/17,3/18,3/19		
	Regular	Member LEVA TBA ITRI	Regular	Member LEVA ITRI	Member TBA	Regular	Member LEVA ITRI	Member TBA
Before 3/1	\$3,500	\$3,200	\$6,500	\$6,200	\$5,200	\$9,000	\$8,500	\$7,500
Before 3/10	\$4,000	\$3,700	\$7,500	\$7,200	\$6,000	\$10,500	\$10,000	\$8,800
After 3/10 & On site*	\$4,500		\$8,500			\$12,000		
TPF VIP Banquet* + LEVA Network Dinner	\$1,600							

*Registration fee includes proceedings (USB), Lunch, snack, coffee/tea, Free access to the 2011 Taipei Cycle Show

*Cash only for on site registration

*Seats reservation only for payment is made.

* Location of VIP Banquet: The Westin Taipei- B3 Yong Chun room; 133 Nanking East Rd. Sec.3, Taipei.

http://www.starwoodhotels.com/westin/property/overview/index.html?propertyID=1191&language=en_US

* Please find the application form for registration.

2011 Taipei Power Forum

Electric Two-Wheeler & The Lithium Ion Power Batteries Symposium

Registration Application

By Fax: 886-3-5820039; By E-mail : ritaliu@itri.org.tw or theresasuen@itri.org.tw

Contact person: Rita, Tel: 886-3-5915202; E-mail:ritaliu@itri.org.tw

Theresa, Tel: 886-3-5916823; E-mail :theresasuen@itri.org.tw

- ◆ **Place: TWTC NanGang Exhibition Hall Room 401**
- ◆ **Registration Fee(Currency NTD):**

DATE	3/17		3/18,3/19			3/17,3/18,3/19		
Registration and Payment	<input type="checkbox"/> Regular	Member <input type="checkbox"/> LEVA <input type="checkbox"/> TBA <input type="checkbox"/> ITRI	<input type="checkbox"/> Regular	Member <input type="checkbox"/> LEVA <input type="checkbox"/> ITRI	Member <input type="checkbox"/> TBA	<input type="checkbox"/> Regular	Member <input type="checkbox"/> LEVA <input type="checkbox"/> ITRI	Member <input type="checkbox"/> TBA
Before 3/1	<input type="checkbox"/> \$3,500	<input type="checkbox"/> \$3,200	<input type="checkbox"/> \$6,500	<input type="checkbox"/> \$6,200	<input type="checkbox"/> \$5,200	<input type="checkbox"/> \$9,000	<input type="checkbox"/> \$8,500	<input type="checkbox"/> \$7,500
Before 3/10	<input type="checkbox"/> \$4,000	<input type="checkbox"/> \$3,700	<input type="checkbox"/> \$7,500	<input type="checkbox"/> \$7,200	<input type="checkbox"/> \$6,000	<input type="checkbox"/> \$10,500	<input type="checkbox"/> \$10,000	<input type="checkbox"/> \$8,800
After 3/10 & On site*	<input type="checkbox"/> \$4,500		<input type="checkbox"/> \$8,500			<input type="checkbox"/> \$12,000		
TPF VIP Banquet* + LEVA Network Dinner	<input type="checkbox"/> \$1,600							
Free Options	<input type="checkbox"/> Vegetarian		<input type="checkbox"/> Interpretation headset					
Total Fee	NT\$							
Company								
Participant								
Address								
Phone/fax								
E-mail								
Date								

- **Welcome to attach business cards.**
- **After the registration process has been accomplished, you'll receive a confirmation letter within 3 days by e-mail.**

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

Account Number: 203-07-02288-0 (for NT currency only)

Account Name: Industrial Technology Research Institute

---Please include the invoice number with payment to insure proper handling

Credit card. (Please sign back the authorization form below).

Credit Card Authorization Form

Personal Information

First Name:

Last Name:

Tel:

E-Mail:

Register Information

Total: NTD _____

I authorize ITRI to charge the total payment fee indicated on this form to my credit card.

Card type: VISA MasterCard JCB American Express

Card No.: _____

Security Code: _____

Exp. Date: _____/_____(month/year)

Card Holder Name: _____

Authorized Signature: _____ Date: _____