

20 March 2007: EnergyBus

- 08:00 - 09:00 *Check-in and registration*
- 09:00 - 09:15 Welcome speech by Mo-Hua Yang, ITRI, Taiwan
- 09:15 - 10:15 Why standardization will boost the LEV market size?
Hannes Neupert, ExtraEnergy, Germany (www.ExtraEnergy.org)
- 10:15 - 10:45 *Coffee break*
- 10:45 - 11:15 What we can learn from other Bus systems - the business model of the EnergyBus organization
Janine Mueller, ExtraEnergy, Germany (www.EnergyBus.org)
- 11:15 - 12:00 The EnergyBus plug family for LEV applications
Sven Schlicker, Schlicker, Germany (www.Schlicker.com)
- 12:00 - 14:00 *Lunch, technical tour, table presentations, test riding*
- 14:00 - 14:30 The CI of the EnergyBus
Norbert Haller, Craftsmen Design, Germany (www.Craftsmen-Design.com)
- 14:30 - 15:00 How the EnergyBus can ease product development and technical upgrades
Johannes Doerndorfer, Telerob, Germany (www.telerob.de)
- 15:00 - 15:30 Recreation of a motorized bicycle
Hendrik Markowski, University of Technology, Business and Design, Germany (www.hs-wismar.de)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 The EnergyBus and the Taiwan LEV industry potential
Bing-Ming Lin and Yuh-Fwu Chou, ITRI, Taiwan (www.ITRI.org.tw)
- 16:30 - 17:00 Marketing for the EnergyBus organization
Daniel Hoppe, ExtraEnergy, Germany (www.ExtraEnergy.org)
- * The Physical and Application Layer of the EnergyBus
Prof.-Dr. Wolfhard Lawrenz, C&S Group University of Applied Science Wolfenbuettel, Germany
- 17:00 - 18:00 Panel Discussion on the EnergyBus with
Mo Hua Yang
Hannes Neupert
Sven Schlicker
Janine Mueller
Daniel Hoppe
Andreas Fuchs, Marquardt, Switzerland (www.Marquardt.ch)

21 March 2007: Battery Safety

- 08:00 - 09:00 *Check-in and registration*
- 09:00 - 09:30 Safety standard development for Lithium Ion battery
Ellen Cheng, UL Taiwan, Taiwan (www.ul.com)
- 09:30 - 10:30 How to select the right Battery?
Hannes Neupert, ExtraEnergy, Germany (www.ExtraEnergy.org)
- 10:30 - 11:00 *Coffee break*
- 11:00 - 11:30 How to arrange proper Lithium battery logistics - instructions A to B!
** Tim Schaefer, Gaia Akkumulatorenwerke GmbH, Germany (www.Gaia-Akku.com)
- 11:30 - 12:00 Excellent performance and safety by Lithium-Ion battery for Pedelecs
* Kaz Suzuki, Panasonic Bicycles, Japan (www.panabyc.co.jp/en/)
- 12:00 - 14:00 *Lunch, technical tour, table presentations, test riding*
- 14:00 - 14:30 Battery life time experience on electric scooters of Tokyo R&D
Masao Ono, Tokyo R&D, Japan (www.r-d.co.jp)
- 14:30 - 15:30 Outlook on future battery chemistries and potential improvements
Mo Hua Yang, ITRI, Taiwan (www.ITRI.org.tw)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 Lithium Battery technology offered by Amita
Jim Cherng, Amita, Taiwan (www.Amitatech.com)
- 16:30 - 17:00 Lithium Battery technology offered by ENAX
Kazunori Ozawa, ENAX, Japan (www.ENAX.jp)
- 17:00 - 17:30 Lithium Battery components for improved safety offered by Degussa
Jörg Reim, Degussa, Germany (www.degussa.com)
- 17:30 - 18:00 Lithium Iron Phosphate Batteries - „Envirofriendly“ Technology offered by PHET
Donald Wu, PHET, Taiwan (www.phet.com.tw)

* Presented by Hannes Neupert

** Live video presentation

22 March 2007: Technology

- 08:00 - 09:15 *Check-in and registration*
- 09:15 - 09:30 Opening Ceremony
Johnsee Lee, President of ITRI, Taiwan
- 09:30 - 10:30 How to design the right power assist factor?
Frieder Herb, ExtraEnergy, Germany (www.ExtraEnergy.org)
- 10:30 - 11:00 *Coffee break*
- 11:00 - 11:30 Better performance, higher radius in LEV's with the NuVinci CVP
Peter Boxton, Dirk Spiers, Chris Vasiliotis, Jeremy Carter Fallbrook Technologies, USA
(www.fallbrooktech.com, www.atcnuvinci.com)
- 11:30 - 12:00 Design Considerations of Motor and Drives for the Application of Light Electric Vehicles
Yen-Shin Lai, Ming-Shi Huang, and Yin-Jao Luo, NTUT, Taiwan (www.ntut.edu.tw)
- 12:00 - 12:30 IDbike TMM: Pedal force sensors on static bicycle parts
Gijs Roovers, IDbike, Netherlands (www.idbike.com)
- 12:30 - 14:30 *Lunch, technical tour, table presentations, test riding*
- 14:30 - 15:00 Chipset based BMS Solutions
Bill Liou, GWA, Taiwan (www.gwaenergy.com)
- 15:00 - 15:30 APFCT Fuel cell and hydrogen storage systems for LEV applications
Tai Lee, APFCT, Taiwan (www.APFCT.com)
- 15:30 - 16:00 Data logging while product development and testing
Mike Fritz and Ed Benjamin, CycleElectric, USA (www.CycleElectric.com)
- 16:00 - 16:30 *Coffee break*
- 16:30 - 17:30 The Opportunity and Challenge for commercialization of Li-ion battery in LEV
Mo-Hua Yang, ITRI, Taiwan (www.ITRI.org.tw)
- 18:30 - 20:30 *Banquet*

23 March 2007: Markets and Legislation

- 08:00 - 09:40 *Factory tour to PHET*
- 10:00 - 11:00 Proposal to accelerate the market size and average quality of sold products
Hannes Neupert, ExtraEnergy, Germany (www.ExtraEnergy.org)
- 11:00 - 12:00 Electric transportation in China, options and obstacles
* Liguang Feng, China Sustainable Transportations, China (www.ChinaSusTrans.org)
- 12:00 - 13:30 *Lunch, table presentations, test riding*
- 13:30 - 14:00 Pedelec – another kind of bicycle? How the European Cyclist Federation looks at pedelecs
Bernhard Ensink, ECF, Belgium (www.ECF.com)
- 14:00 - 14:30 Legal categories for LEV's in Europe
Wolfgang Wagner, TÜV Rheinland, Taipei, Taiwan (www.twn.tuv.com)
- 14:30 - 15:00 Governments policy and strategy for E-Scooter promotion in Korea
Dong-Soo Jeong, KIMM, Korea (www.kimm.re.kr)
- ** Pedelec market status and legislation in the South Korean market
Jongkoo Jeong, ExtraEnergy, Korea (www.ExtraEnergy.org)
- 15:00 - 15:30 *Coffee break*
- 15:30 - 16:00 Political support for E-Scooters in Switzerland
Urs Schwegler, NewRide, Switzerland (www.Newride.ch)
- 16:00 - 16:30 Advanced technologies driving Japanese Pedelec market
Kaz Suzuki, Panasonic Cycle, Japan (www.panabyc.co.jp/en/)
- 16:30 - 17:00 Indonesia LEV Market development
Mario Rivaldi, Betrix, Indonesia (www.betrix.co.id)
- 17:00 - 17:30 The Canadian pedelec market - how BionX sells power assist as fitness tool
Pascal Larose, BionX, Canada (www.BionX.ca)
- ** Optibikes sporty way to get Americans biking to work
Jim Turner, Optibike, USA (www.Optibike.com)

* Voice presentation

** Paper presentation