

## **Conference Program / "4<sup>th</sup> World Recycling Forum - Shanghai '09"**

### **Wednesday, 11<sup>th</sup> November 2009 (Morning)**

<b>08.00 – 09.00</b>	<b>Registration</b>
	<b>Welcome coffee and tea</b>
<b>09.00 – 09.30</b>	<b>"Welcome &amp; Introduction" by Roger BURRI, Conference Director Qizhou WU, Shanghai Environmental Protection Bureau Prof. Duan WENG, Chairman of the Steering Committee</b>

### **Keynote Speakers and Panel Discussion**

<b>09.30 – 11.00</b>	<b>Keynote Speakers:</b>  <b>Xinmin LI, Ministry of Environmental Protection of the People's Republic of China, China</b>  <b>Carl HUIJBREGTS, Ministry of Housing, Spatial Planning and Environment (VROM), Netherlands</b>  <b>Yasutsugu OGURA, JFE Engineering Corp., Japan</b>  <b>Dr Andreas RÖTHLISBERGER, WEEE Forum, Belgium</b>
<b>11.00 – 11.30</b>	<b>Coffee break</b>
<b>11.30 – 12.30</b>	<b>Panel Discussion:</b> <b>"Do electronics and cars go green?"</b> <b>Moderator: Roger Burri, Air Mercury AG, Switzerland Chris Slijkhuis, MBA Polymers, Inc., USA</b>  <b>Participants:</b> <b>Ministry of Environmental Protection of the People's Republic of China, China</b> <b>Ministry of Housing, Spatial Planning and Environment (VROM), Netherlands</b> <b>China Automotive Technology &amp; Research Center, China</b> <b>Dell, Inc., USA</b> <b>Hyundai-Kia Eco-Technology Research Institute, Korea</b> <b>IBM (China) Company Limited, China</b> <b>Sims Recycling Solutions, Australia</b> <b>ShenZhen GEM Co., Ltd., China</b> <b>Tsinghua University, China</b>
<b>12.30 – 14.00</b>	<b>Lunch</b>

## **Wednesday, 11<sup>th</sup> November 2009 (Afternoon)**

### **Electronics & Battery Recycling I: How do OEMs and recyclers close the recycling loop?**

**Session Chairman: Prof. Duan Weng, Tsinghua University, China**

- 14.00 – 14.30      “IBM supplier management for End of Life products and China WEEE implementation proposal”  
**Hai Liu, IBM (China) Company Limited, China**
- 14.30 – 15.00      “Electronic recycling in Asia – the Stena Way”  
**Dr Martin Prieler, Stena Technoworld AB, Austria**
- 15.00 – 15.30      “Best management practices for end-of-life electronic products: Are commodity specifications and management systems standards part of a viable solution?”  
**Jon Yob, Creative Recycling Systems, Inc., USA**
- 15.30 – 16.00      Coffee break**
- 16.00 – 16.30      “Greenest technology company - Dell takes strong stance against exporting E-waste”  
**Anne Cheong, Dell Global Business Centre, Malaysia**
- 16.30 – 17.00      “GEM's construction and practice of the used-battery & e-waste recovery system in China”  
**Dr KaiHua Xu, ShenZhen GEM Co., Ltd., China**
- 17.00 – 17.30      “Sustainable solutions & the green revolution gone global”  
**John Shegerian, Electronic Recyclers International, Inc., USA**

### **Car Recycling I: How do car manufacturers and recyclers close the recycling loop?**

**Session Chairman: Genkichi Ando, Seinan Corporation, Japan**

- 14.00 – 14.30      “ELV recycle monitoring - challenges and strategies for implementation”  
**Dr Heejeong Yim, Hyundai-Kia Eco-Technology Research Institute, Korea**
- 14.30 – 15.00      “Thoughts regarding shredding / The future of auto / Scrap metal shredders”  
**Scott Newell, The Shredder Company, LLC, USA**
- 15.00 – 15.30      “(H)EV battery recycling: A commitment for Umicore”  
**Dr Jan Tytgat, Umicore Recycling Solutions, Belgium**
- 15.30 – 16.00      Coffee break**
- 16.00 – 16.30      “Environmental and sustainability benefits of automotive parts remanufacturing”  
**Richard T. Paul, LKQ Corporation, USA**
- 16.30 – 17.00      “Car battery recycling: legal, economic and ecological issues”  
**Helmut Fliesser, STARLINGER & CO Gesellschaft m.b.H., Austria**
- 17.00 – 17.30      “Lead acid battery scrap recycling: Opportunities amidst environmental concern”  
**Rajat Agrawal, Gravita Exim Limited, India**
- 19.00                  Networking Dinner**

**Thursday, 12<sup>th</sup> November 2009 (Morning)**

**08.00 – 09.00      Coffee and tea**

**Electronics & Battery Recycling II: Best available technologies**

**Session Chairman:    Dr Jan Tytgat, Umicore Recycling Solutions, Belgium**

- 09.00 – 09.30      “CRT glass recycling”  
**Jan Vrba, ASEKOL s.r.o., Czech Republic**
- 09.30 – 10.00      “Sn, Pb recycling technology from waste PCB”  
**Jingyang Liu, Chinese Research Academy of Environmental Sciences (CRAES), China**
- 10.00 – 10.30      “Best available technology for recycling Lithium ion batteries with all chemistries”  
**Prof. Farouk Tedjar, RECUPYL SAS, France**
- 10.30 – 11.00      Coffee break**
- 11.00 – 11.30      “Producing electronics with post consumer regenerated materials (PCR)”  
**Chris Slijkhuis, MBA Polymers Inc., USA**
- 11.30 – 12.00      “Recycle rare metal indium from wasted LCD panels”  
**Dr Edward Chen, Industrial Technology Research Institute – ITRI, Taiwan**
- 12.00 – 12.30      “Complete solutions and technologies for lamp recycling and recovery of mercury from mercury bearing waste and products within the WEEE”  
**Christer Sundberg, MRT System AB, Sweden**

**Car Recycling II: Best available technologies**

**Session Chairman:    Richard Paul, LKQ Corporation, USA**

- 09.00 – 09.30      “Recycling of Shredder-Light-Fraction and WEEE with impact shredders”  
**Alfred Weber, BHS-Sonthofen GmbH, Germany**
- 09.30 – 10.00      “Precious metal recovery from automotive catalytic converters”  
**John Bullock, A-1 Specialized Services & Supplies, USA**
- 10.00 – 10.30      “Recycling of laminated safety glass”  
**Prof. Achim Schmiemann, Ostfalia - Hochschule für angewandte Wissenschaften, Germany**
- 10.30 – 11.00      Coffee break**
- 11.00 – 11.30      “Efficient fragmentation of scrap cars to facilitate recycling”  
**Claude Lovrinovic, Metso Lindemann GmbH, Germany**
- 11.30 – 12.00      “End of life vehicle pre-treatment and de-pollution using best available technologies”  
**Edgar Root, SEDA-Umwelttechnik GmbH, Austria**
- 12.00 – 12.30      “Application of HARDOX in recycling of scrap cars and e-waste”  
**Dr Fenwei Su, SSAB Swedish Steel Ltd., China**
- 12.30 – 14.00      Lunch**

**Thursday, 12<sup>th</sup> November 2009 (Afternoon)**


**Electronics & Battery Recycling III: Challenges in WEEE and battery recycling**

**Session Chairman: Kumar Radhakrishnan, Sims Recycling Solutions, Australia**

- 14.00 – 14.30 "History and future of WEEE plastics"  
**Marinus B. Driessen, Hangzhou Fuxing Environmental Protection Machinery Co., Ltd., China**
- 14.30 – 15.00 "Global electronics recycling, does one size fit all?"  
**Fons Krist, GEEP Asia, Singapore**
- 15.00 – 15.30 "Endangering and chance of succeeding of China's recycling industry under global financial crisis"  
**Prof. HuanZheng Du, Institute of Recycling Economic Technology of the Yangtze Delta, China**
- 15.30 – 16.00 Coffee break**
- 16.00 – 16.30 "The mechanism of WEEE recycling and treatment in Taiwan"  
**Prof. Hsiao-Kang Ma, National Taiwan University, Taiwan**
- 16.30 – 17.00 "Sustainable e-waste management - A model for developing countries"  
**Dr Lakshmi Raghupathy, Manufacturer's Association for Information Technology (MAIT), India**

**Car Recycling III: Challenges in ELV recycling**

**Session Chairman: Manfred Beck, Recycling International Magazine, Netherlands**

- 14.00 – 14.30 "Material Value = Quantity x Quality"  
**Patrick Le Mare, Inspectorate (Singapore) Pte Ltd., Singapore**
- 14.30 – 15.00 "An European example for green house gas and resource saving – Post-Shredder-Technology with interesting results"  
**Rüdiger Mehlhorn, SRW metalfloat GmbH / Scholz Recycling AG & Co. KG, Germany**
- 15.00 – 15.30 "Complete supporting measures to promote greenmanufacturing & recycling of automotive"  
**Naijin Zheng, China Automotive Technology & Research Center, China**
- 15.30 – 16.00 Coffee break**
- 16.00 – 16.30 "REACH and GHS - New environmental and health regulations - New demands for recycling companies?"  
**Dr Beate Kummer, Kummer: Umweltkommunikation GmbH, Germany**
- 16.30 – 17.00 "IDIS – International Dismantling Information System"  
**Thomas Zibolowski, tec4U-Ingenieurgesellschaft mbH, Germany**
- 17.00 Cocktail Reception in the exhibition hall sponsored by **

## Plant tours

### Tuesday, 10<sup>th</sup> November 2009

#### **Tour Narada Power Source Co., Ltd.**

##### **Visit of a battery manufacturing plant**

- 11.00 Departure by bus from Pudong Shangri-La Hotel to Narada
- 13.00 Arrival at Narada
- 13.00 – 15.00 Visit of the battery manufacturing plant
- 17.00 Arrival at Pudong Shangri-La Hotel

#### **Tour Shanghai Volkswagen Automotive Co., Ltd. (SVW)**

##### **Visit of a car manufacturing plant**

- 12.00 Departure by bus from Pudong Shangri-La Hotel to SVW
- 13.30 Arrival at SVW
- 13.30 – 15.30 Visit of the car manufacturing plant
- 17.00 Arrival at Pudong Shangri-La Hotel

#### **Tour Lenovo (Shanghai) Electronics Technology Co., Ltd.**

##### **Visit of an electronics manufacturing plant**

- 13.00 Departure by bus from Pudong Shangri-La Hotel to Lenovo
- 14.00 Arrival at Lenovo
- 14.00 – 16.00 Visit of the electronics manufacturing plant
- 17.00 Arrival at Pudong Shangri-La Hotel

### Friday, 13<sup>th</sup> November 2009

#### **Tour Shanghai Central WEEE Recycling Co., Ltd.**

##### **Visit of an electronics recycling plant**

- 08.00 Departure by bus from Pudong Shangri-La Hotel to Shanghai Central WEEE Recycling
- 09.30 Arrival at Shanghai Central WEEE Recycling
- 09.30 – 11.30 Visit of the electronics recycling plant
- 13.00 Arrival at Pudong Shangri-La Hotel

#### **Tour Baosteel Group Corporation**

##### **Visit of a steel production plant**

- 08.00 Departure by bus from Pudong Shangri-La Hotel to Baosteel
- 09.30 Arrival at Baosteel
- 09.30 – 11.30 Visit of the steel production plant
- 13.00 Arrival at Pudong Shangri-La Hotel

#### **Tour Ningbo Huanglong Recycling Co., Ltd. & Ningbo Metal Recycling Resource Processing Park**

##### **Visit of an electronics recycling plant**

- 08.00 Departure by bus from Pudong Shangri-La Hotel to Ningbo
- 10.30 Arrival at Ningbo Huanglong
- 10.30 – 13.30 Visit of the electronics recycling plant and the recycling park
- 17.00 Arrival at Pudong Shangri-La Hotel

#### **Tour Hangzhou Fuxing Group Co., Ltd.**

##### **Visit of a plastics recycling plant & a machinery manufacturing plant**

- 08.00 Departure by bus from Pudong Shangri-La Hotel to Hangzhou Fuxing
- 11.00 Arrival at Fuxing Group
- 11.00 – 13.30 Visit of the plastics recycling plant & the machinery manufacturing plant
- 16.30 – 17.30 Visit the special exhibition of Hangzhou Fuxing Group in River South Art Centre Shanghai
- 18.30 Arrival at Pudong Shangri-La Hotel

#### **Sightseeing tour in Shanghai**

- 14.00 Departure by bus from Pudong Shangri-La Hotel
- 22.00 Arrival at Pudong Shangri-La Hotel