

WRF 2013

ELECTRONICS RECYCLING ASIA

November 12 – 15, 2013, Singapore

organized by World Recycling Forum



Conference

E-scrap

Circular Economy

Networking

Exhibition

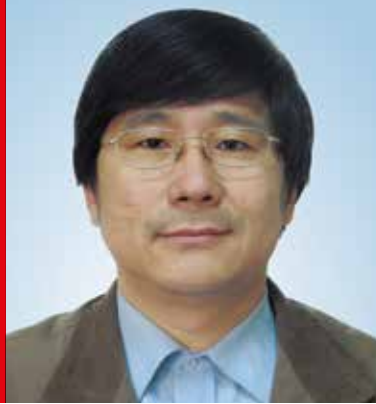
Plant Tours

Supported by:

China Resource Recycling Association
Institute for Environmental Science and Technology (INEST), Vietnam
Institute of Scrap Recycling Industries, Inc. (ISRI), USA
Japan Electronics and Information Technology Industries Association (JEITA)
Korea Institute of Geoscience & Mineral Resources (KIGAM)
National Metallurgical Laboratory, Council of Scientific & Industrial Research (CSIR), India
Singapore Business Federation (SBF)
Singapore Exhibition & Convention Bureau
Waste Management and Recycling Association of Singapore (WMRAS)



FOREWORD



PROFESSOR JINHUI LI

Chairman of the Steering
Committee
Electronics Recycling Asia

Singapore – Garden by the Bay

Electronics Recycling Asia, organized by WRF – Forum for the Time

We welcome you in Singapore, a country made up of 63 islands, brimming with diversity. It has been described as a thriving cosmopolitan city, multiplying of culture, language, arts and architecture. People know that Singapore is the world's fourth leading financial center, and its port is one of the five busiest ports in the world. Singapore never stops making progress, elevating herself to a top business center, as well as in recycling industries. Thus, making Singapore the undoubtedly obvious choice as the place to hold the **Electronics Recycling Asia**, organized by WRF.

Along with free trade economy and highly efficient workforce, Singapore commands an enormous presence in the world today. Also, Singapore always keeps green development in mind, making the fast running city an eco-harmonious paradise. It has enormous inventions and powerful systems for recycling articles which presents a typical green country among the world. We believe the WRF 2013 held in Singapore would really show you an exhilarating, modern, versatile and finally unforgettable city together with an extraordinary forum.

Electronics Recycling Asia convenes governmental officers, exporters, scholars and enterprisers from all over the world to present their latest information on recycling and relative technique. In the forum, you will encounter electronic manufacturing companies, new

recycling plants and recycling technologies. Other than recycling E-waste, mercury containing scraps and rare earth recovery is another hotspot. Plant tours will also be enriching and enlighten you to have brilliant ideas within your field. Also, cocktail receptions and a networking dinner create an excellent atmosphere for you to get in touch with your business partners, friends and competitors. The keynote speakers present interesting reports which will benefit the participants from all over the world.

You will be pleased with the forthcoming WRF 2013 and I do wish you enjoy the dynamic economy, culture banquet as well as the fruitful forum in Singapore.



KEYNOTE SPEAKERS



JEAN COX-KEARNS

Dell Global Takeback
Director of Compliance
Ireland

“EXTENDING PRODUCT LIFETIME THROUGH
THE RECYCLING HIERARCHY WAY”

KLAUS HIERONYMI

Hewlett-Packard
Global Resource Efficiency and
Circular Economy Strategies

“ROLE OF THE PRODUCER IN THE NEW
WORLD OF E-WASTE”



CLARE LINDSAY

R2 Solutions
Board Member
USA

“AN UPDATE ON ELECTRONICS RECYCLING
IN THE US”



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University of Science & Technology
(HUST), Director, Vietnam



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National Metallurgical Laboratory
Assistant Director / Senior Scientist
India



JEFFREY JERMYN
GEEP International Inc.
President
Canada



SONG JIANG
China Nonferrous Metal Industry
Resource Regenerating Co., Ltd.
General Manager
China



DR JAE-CHUN LEE
Korea Institute of Geoscience
and Mineral Resources (KIGAM),
Principal Researcher
Korea



PROF. HSHAO-KANG MA
National Taiwan University
Department of Mechanical
Engineering
Taiwan



VENKATESHA MURTHY
Vans Chemistry Pte. Ltd.
Managing Director
Singapore



SCOTT NEWELL
The Shredder Company, LLC
Chairman and CEO
USA



KAZUMI NOZAWA
Perry Johnson Registrars, Inc.
Director of Asia Pacific Recycling
Initiatives
Japan

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Global Sales Manager Refining
Services – Recyclables, Belgium



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USA



XIN ZHAI
Resource Recycling
Chief Editor
China

CONFERENCE STRUCTURE

LOCATION OF THE CONFERENCE



The Electronics Recycling Asia will be held from **November 12 – 15, 2013** in the Shangri-La Hotel Singapore.

Arriving at Shangri-La Hotel Singapore, you will leave the hustle and bustle of the city behind you. Set amidst 15 acres of lush greenery, Shangri-La Hotel Singapore is a place like no other. This is where the legendary Asian hospitality of Shangri-La began more than 40 years ago, and the story continues with you. With luxury guestrooms and suites in three distinctive wings, serviced apartments and luxury residences in four-storey villas, this is where you will find your own Shangri-La.



For the participants of the conference a number of rooms are held at a special rate, if you register before October 25, 2013. If you wish, you may also extend your stay at this beautiful hotel at the same special rate.

Shangri-La Hotel Singapore*****

22 Orange Grove Road
258350 Singapore

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www.shangri-la.com/singapore/shangrila



TUESDAY, NOVEMBER 12, 2013 / PLANT & SIGHTSEEING TOURS

11.00 – 19.00	Registration	
12.30 – 17.00	Plant tour 1 Electronics recycling plant Cimelia Resource Recovery	12.30 – 17.00 Plant tour 2 Offshore landfill Semakau Landfill
17.00 – 19.00	Welcome reception in the exhibition area	
19.00	Steering Committee Meeting (I)	

WEDNESDAY, NOVEMBER 13, 2013 / CONFERENCE & EXHIBITION

08.00 – 09.00	Registration and welcome coffee in the exhibition area	
09.00 – 12.30	Keynote Speakers & Panel Discussion	
12.30 – 14.00	Lunch in the exhibition area	
14.00 – 15.30	Today's cutting edge recycling technology	
16.00 – 17.30	New frontiers of recycling technology	
19.00	Cocktail reception & networking dinner	

THURSDAY, NOVEMBER 14, 2013 / CONFERENCE & EXHIBITION

08.00 – 09.00	Welcome coffee in the exhibition area	
09.00 – 10.30	How do OEMs close the recycling loop?	
11.00 – 12.30	E-scrap country reports I	
12.30 – 14.00	Lunch in the exhibition area	
14.00 – 15.30	E-scrap country reports II	
16.00 – 17.30	Global trail of E-metal scraps	
17.30 – 18.30	Cocktail reception in the exhibition area	
18.30	Steering Committee Meeting (II)	

FRIDAY, NOVEMBER 15, 2013 / PLANT & SIGHTSEEING TOURS, WORKSHOP

09.45 – 15.15	Plant tour 3 Waste management plant ECO Special Waste Management	09.30 – 15.00 Plant tour 4 Electronics recycling plant TES-AMM (Singapore)
09.00 – 12.00	Workshop Workshop about the new "R2:2013 Standard"	13.00 – 17.00 Sightseeing tour Singapore



COSMOPOLITAN SINGAPORE



Singapore's economic achievements have been remarkable, yet the island has not been overwhelmed by development. Visitors will discover a wealth of historical treasures from the past. From the beauty of older buildings, to values and traditions that have survived modernization, you will find Singapore both unique and surprising. Singapore is a bustling cosmopolitan city that offers a world-class living environment, with her landscape populated by high-rise buildings and gardens.

If you are only going to be in Singapore for a few days, you might want to extend your trip. There are just so many places to see and things to do. For art aficionados, there are museums and galleries to visit, while history buffs can explore history museums and heritage

centres. Party animals can revel in a colourful nightlife scene, nature lovers can immerse in the many rainforests and gardens available, and sports enthusiasts can look forward to sporting action. And the whole family can spend time together at theme parks.

Your trip here is not completed till you've tried the various cuisines and signature dishes. To begin with, there is a wide variety of cuisines for you to choose from but the main ones are Chinese, Malay, Indian and Peranakan. Some of the must-try dishes include Hainanese Chicken Rice, Nasi Lemak, Fish Head Curry, and Ayam Buah Keluak. They are sure to leave you lip-smacking, if not full with delight. So get ready for a sumptuous feast, and delight your taste buds.

www.yoursingapore.com

TRAVELLING TO SINGAPORE

Visa for Singapore

Most nationalities can enter Singapore without a visa. Please refer to the Immigration and Checkpoints Authority for current guidelines, including a list of the 30+ nationalities that are required to obtain a visa in advance.

More information: www.ica.gov.sg

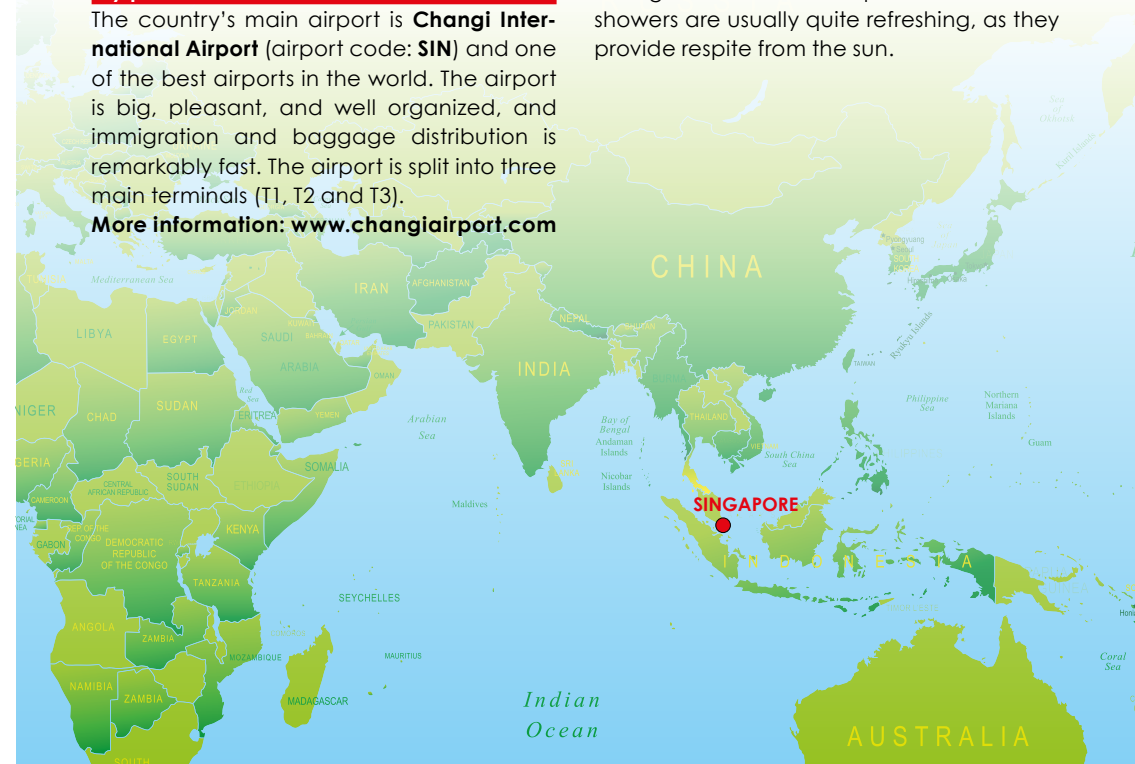
By plane

The country's main airport is **Changi International Airport** (airport code: **SIN**) and one of the best airports in the world. The airport is big, pleasant, and well organized, and immigration and baggage distribution is remarkably fast. The airport is split into three main terminals (T1, T2 and T3).

More information: www.changiairport.com

Weather / climate

Singapore is characterized by a hot and humid climate. Located just 1 degree north of the equator, it quite naturally enjoys a **tropical/equatorial climate**. The island does not have clear-cut seasons like summer, spring, autumn and winter. The weather is warm and humid all year round. Rainfall is almost an everyday phenomenon, even during the non-monsoon period. These brief showers are usually quite refreshing, as they provide respite from the sun.



PLANT TOUR 1

TUESDAY, NOVEMBER 12, 2013

CIMELIA RESOURCE RECOVERY PTE. LTD.



Visit of the electronics recycling plant

- 12.30** Departure by bus to Cimelia Resource Recovery Pte. Ltd.
13.30 Arrival at Cimelia Resource Recovery Pte. Ltd.
13.30 – 16.00 **Visit of the electronics recycling plant**
17.00* Arrival at the Shangri-La Hotel Singapore

Cimelia Resource Recovery was incorporated in Singapore in 2004. Cimelia provides comprehensive recycling solutions for any occurrence of Waste Electrical and Electronic Equipment (WEEE). Our services range from precious metal recovery from production waste to testing and resale of used equipment. Cimelia always strives to offer its clients maximum returns for their material and equipment.

Recognized by Singapore's National Environmental Agency as the biggest E-waste Management and recycling facility in Singapore, Cimelia occupies a land area of 200'000 sq ft. At this facility we have a diverse range of equipment like a white goods recycling line a mechanical crushing line with online sampling as well as a full precious metal recovery facility capable of recovering Gold, Silver, Platinum and Palladium. We also operate our own in house lab for material analysis and process control.

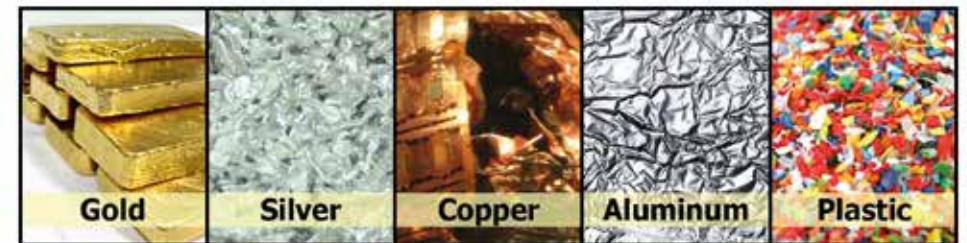
Cimelia has a comprehensive Quality Environment and Health and Safety program encompassing ISO9001, EMS 14001 & OSHAS 18001.

Serving clients from all over the world, Cimelia is fully licensed and compliant with international waste shipment regulations, providing our clients peace of mind in dealing with us.

More information at: www.cimeliaglobal.com



From this, to this...



**Cimelia Resource Recovery,
your solution to e-waste!!**

* No guarantee on arrival time due to traffic conditions.

Cimelia Resource Recovery Pte Ltd

3 Tuas Avenue 2, Singapore 639443
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Tel: +65 6898 0808 Fax: +65 6898 0888
Email: info@cimeliaglobal.com



PLANT TOUR 2

TUESDAY, NOVEMBER 12, 2013



SEMAKAU LANDFILL

Visit to the offshore landfill in Singapore

12.30	Departure by bus & ferry to Semakau Landfill
14.00	Arrival at Semakau Landfill
14.00 – 16.00	Visit of Singapore's only landfill for waste disposal
17.00*	Arrival at the Shangri-La Hotel Singapore

The **Semakau Landfill** project represents an innovative approach towards conventional waste management solutions. It is a physical architecture of Singapore's strategic planning and superb engineering, addressing the nation's perpetual constraint of available land use and expanding need for effective waste disposal management. It is created by enclosing the sea-space between two small islands with an engineered impermeable bund. Effective environmental protection measures have been taken to protect its surrounding waters and ecosystem.

Visitors to Semakau Landfill will get to know how Singapore's effort in environmental protection and nature conservation has created a landfill thriving with rich marine biodiversity and a place for nature based recreational activities. They will also learn about Singapore's future challenges in solid waste disposal and the need to reduce and recycle waste to extend the lifespan of the landfill.

More information at: www.nea.gov.sg



* No guarantee on arrival time due to traffic conditions.

CONFERENCE PROGRAM

TUESDAY, NOVEMBER 12, 2013

- 11.00 – 19.00 **Registration**
- 12.30 – 17.00 **Plant tours**
- 17.00 – 19.00 **Welcome reception in the exhibition area**

WEDNESDAY, NOVEMBER 13, 2013

- 08.00 – 09.00 **Registration and welcome coffee in the exhibition area**

09.00 – 10.30 **OPENING AND KEYNOTE SPEAKERS**

"Welcome and introduction"

Prof. Jinhui Li, Chairman of Electronics Recycling Asia
Prof. Duan Weng, Chairman of World Recycling Forum

"Extending product lifetime through the recycling hierarchy way"
Jean Cox-Kearns, Dell Global Takeback, Ireland

"An update on electronics recycling in the US"
Clare Lindsay, R2 Solutions, USA

- 10.30 – 11.00 **Coffee break in the exhibition area**

- 11.00 – 12.30 **Panel Discussion: "The future of E-scrap in the digital world"**
Moderator: Steve Skurnac, Sims Recycling Solutions, Inc., USA

Participants:

Roger Burri, BLUBOX Trading AG, Switzerland
Klaus Hieronymi, Hewlett-Packard
Linda Li, Li Tong Group, Hong Kong
Patrick SN Lin, Wistron Corporation, Taiwan

- 12.30 – 14.00 **Lunch in the exhibition area**

- Session 1: Today's cutting edge recycling technology**
Session Chairman: Venkatesha Murthy, Vans Chemistry Pte. Ltd., Singapore

- 14.00 – 14.30 "Vary WEEE eco-shredder recycling system"
Jun Zhou, Hunan Vary Tech Co., Ltd., China

- 14.30 – 15.00 "Formation of sound metal recycling system in Asia"
Akio Yoshinari, Dowa Eco-System Singapore Pte. Ltd., Singapore

- 15.00 – 15.30 "Challenges to recycle toxic wastes such as lamps and LCD screens"
Roger Burri, BLUBOX Trading AG, Switzerland

- 15.30 – 16.00 **Coffee break in the exhibition area**

- Session 2: New frontiers of recycling technology**
Session Chairman: Crystynna Ewe, Dell, Singapore

- 16.00 – 16.30 "The study on recycling of E-waste plastics"
Peethambaram Parthasarathy, E-Parisaraa Pvt. Ltd., India

- 16.30 – 17.00 "There's more to recycling than commodity recovery – A total solution"
Gary Steele, TES-AMM Australia Pty Ltd., Australia

- 17.00 – 17.30 "The environment friendly E-waste recovery process of precious metals and copper recovery from motherboards and central processing units (CPUs)"
Ekin Kis, Emak Refining & Recycling Systems, Turkey

- 19.00 – 19.30 **Cocktail reception in the exhibition area**

- 19.30 **Networking dinner**

CONFERENCE PROGRAM

THURSDAY, NOVEMBER 14, 2013

08.00 – 09.00 Welcome coffee in the exhibition area

Session 3: How do OEMs close the recycling loop?
Session Chairman: Prof. Hsiao-Kang Ma, National Taiwan University, Taiwan

09.00 – 09.30 "How manufacturers are closing the recycling loop in the US market"
Joseph C. Yob, Three S International, LLC, USA

09.30 – 10.00 "R2 (Responsible Recycle) – Accredited certification program for electronics recyclers"
Kazumi Nozawa, Perry Johnson Registrars, Inc., Japan

10.00 – 10.30 **KEYNOTE SPEAKER**
"Role of the producer in the new world of E-waste"
Klaus Hieronymi, Hewlett-Packard

10.30 – 11.00 Coffee break in the exhibition area

Session 4: E-scrap country reports I
Session Chairman: Stephan Schwarz, ALBA Group, Germany

11.00 – 11.30 "Changing scenario in E-waste recycling in India"
Dr Lakshmi Raghupathy, Former Director of Ministry of Environment & Forests, India

11.30 – 12.00 "Recovery of metals from electronics waste using DC plasma arc technology"
Les Liddiard, Tetronics International Ltd., United Kingdom

12.00 – 12.30 "Responsible waste stewardship"
David Chng, CHWMEG Inc., Singapore

12.30 – 14.00 Lunch in the exhibition area

Session 5: E-scrap country reports II
Session Chairman: Thierry Van Kerckhoven, Umicore Precious Metals Refining, Belgium

14.00 – 14.30 "Update of E-scrap recycling in China"
Prof. Jinhui Li, Tsinghua University, China

14.30 – 15.00 "New techniques in the shredding and separation of WEEE scrap"
Scott Newell, The Shredder Company, LLC, USA

15.00 – 15.30 "SVEG campaign on the collection of Powertools in the Netherlands: Weaknesses and experiences for the future"
Bert Vonkeman, Foundation Powertools Recycling, Netherlands

15.30 – 16.00 Coffee break in the exhibition area

Session 6: Global trail of E-metal scraps
Session Chairman: Brian Taylor, Recycling Today Media Group, USA

16.00 – 16.30 "E-waste recovery and recycling in Australia and New Zealand: From policy to implementation"
John Gertsakis, Infoactiv Group Pty. Ltd., Australia

16.30 – 17.00 "Taking responsibility for your high-tech trash"
Chris Ryan, Metech Recycling, USA

17.00 – 17.30 "WorldScrap.com: The best partner of your scrap business"
Shu Zhang, WorldScrap.com, China

from 17.30 Cocktail reception in the exhibition area

PLANT TOUR 3

FRIDAY, NOVEMBER 15, 2013

ECO SPECIAL WASTE MANAGEMENT PTE. LTD.



Visit of the waste management plant

- 09.45** Departure by bus to ECO Special Waste Management Pte. Ltd.
10.45 Arrival at ECO Special Waste Management Pte. Ltd.
10.45 – 13.15 **Visit of the waste management plant**
14.15* Arrival at the Shangri-La Hotel Singapore
15.15* Arrival at Singapore Changi airport

ECO Special Waste Management (ECO) was founded in 2008 and today, the company has well-developed capability in delivering its "Industry Ecology" concept to manage the waste. The company has established its comprehensive integrated waste management centre as well as its innovative and integrated energy recovery centre. This sustainable development centre has set ECO apart from other waste management companies and has been well-recognized for its contribution.

ECO's Sludge Treatment Plant, the largest single sewage incineration plant in South East Asia was awarded for 2010 ASEAN Renewable Energy Award. The plant, first of its kind in Singapore, was recognized as CDM registered project and has been issued for CERs by UNFCCC. Our rotary kiln incinerator is the largest hazardous waste to energy plant in Singapore. The plant is equipped with energy recovery system to generate beneficial steam and electricity for downstream treatment/recovery facilities which helps in reducing the dependency on fossil fuel. ECO will pursue consciously on our industrial ecology business model, as a way to develop the business and protect the environment to achieve sustainable development. ECO can be your trusted waste management partner for your business in Singapore.

More information at: www.eco.com.sg

All are welcome but with kind understanding that visitors from our same industry will not be allowed access.

* No guarantee on arrival time due to traffic conditions.



ECO Special Waste Management is one of Singapore's leading waste management companies.

We provide a range of high quality, reliable services exclusively to our industrial and commercial customers from industries such as petrochemical, pharmaceutical, oil & gas, power generation, electronics, marine, engineering, and semiconductor. Many of our 2,000 customers have been with us from our founding in 1998, trusting ECO to solve their most difficult waste management challenges.

ECO operates out of a single, integrated Special Waste Management Centre comprised of nine main treatment and recovery facilities on a 7 Ha plot of land at 21/23 Tuas View Circuit, Singapore. ECO is fully licensed by the National Environment Agency (NEA) as a Toxic Industrial Waste Collector, a General Waste Collector, and an Asbestos Removal Contractor, among other qualifications. As part of our commitment to environmental protection, proactive health and safety management, and sustainable development, we are certified to ISO14001 Environmental Management System, OHSAS 18001, and Biz Safe Star Level. With more than 200 dedicated staff, we provide tailored, effective solutions for our customers everyday.



CERT NO. 2002-25157
ISO 14001:2004
CERT NO. OHS-2010-0289
OHSAS 18001:2007



Our Services Includes:

- Toxic and Non-Toxic waste management
 - o Collection Services
 - o On Site Waste Management
 - o Site assessment
 - o Recycling Programs on Site
- Industrial Services
 - o Storage tank and process equipment cleaning
 - o Asbestos Management and Removal
 - o Facility and equipment decommissioning
 - o Contaminated land remediation
 - o Crisis Response
- Laboratory and R & D Services
 - o Specialised Environmental and Waste-stream Testing
 - o Transformer oil analysis
 - o Waste treatment system Research & Development

ECO Special Waste Management
23 Tuas View Circuit, Singapore 637768
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Hotline : (65) 6517 3653
Fax : (65) 6863 7813
Email : sales@eco.com.sg

PLANT TOUR 4

FRIDAY, NOVEMBER 15, 2013

TES-AMM (SINGAPORE) PTE. LTD.



Visit of the electronics recycling plant

09.30	Departure by bus e to TES-AMM (Singapore) Pte. Ltd.
10.30	Arrival at TES-AMM (Singapore) Pte. Ltd.
10.30 – 13.00	Visit of the electronics recycling plant
14.00*	Arrival at the Shangri-La Hotel Singapore
15.00*	Arrival at Singapore Changi airport

TES-AMM group was formed in year 2005 by waste management and engineering professionals to provide tailored recycling solutions for Waste Electrical and Electronic Equipment (WEEE). Our core activities combine state-of-the-art technology with in-depth knowledge of environment and waste management techniques to provide reuse solutions and end recovery of precious metals from electronic wastes.

Headquartered in Singapore and supported by a global network of facilities stretching throughout the regions of Asia, Oceania, Europe and Africa (EMEA), TES-AMM offers recycling services on a global scale.

As a professional recycler, TES-AMM recognizes the complexities of environmental legislation which customers face. We provide a comprehensive package of services beyond physical recycling of assets, including advise on legislation, environmental reporting on waste disposal and total waste management.

TES-AMM has experienced phenomenal growth in our business. We believe this to be a testimony of our ability to deliver the right solutions that addresses the needs of our ever growing client base. TES-AMM is pleased to be the approved recycling vendors for most well-known Information & Communication Technology and other electronic manufacturers.

More information at: www.tes-amm.com

All are welcome but with kind understanding that visitors from our same industry will not be allowed access.

* No guarantee on arrival time due to traffic conditions.

Recycling Technology for Tomorrow

» » » » » » » »

TES-AMM is a leading electronic equipment & component recycler, currently servicing customers on a global platform.

TES-AMM group was formed in 2005 by waste management and engineering professionals to provide tailored recycling solutions for Waste Electrical and Electronic Equipment (WEEE). Our core activities combine state-of-the-art technology with in-depth knowledge of environment and waste management techniques to provide reuse and end recovery of precious metals from electronic wastes.

We specialize in providing a number of bespoke solutions for the recycling and management of used electronic equipment.



TES-AMM (Singapore) Pte Ltd
No 9 Benoi Sector, Singapore 629844
Tel: +(65) 6408 8600 (hunting line)
Fax: +(65) 6820 1868/9
Email: info@tes-amm.com
Website: www.tes-amm.com

(ASIA) • TES-AMM Corporation (China) Ltd – Regional H.Q. • TES-AMM (Beijing) Co. Ltd • TES-AMM (H.K.) Limited • TES-AMM Guangzhou Service Centre
TES-AMM (Suzhou) E-waste Solution Co. Ltd • TES-AMM (Malaysia) Sdn Bhd • TES-AMM Recyclers India Pte Ltd • TES-AMM (Thailand) Company Limited
TES-AMM Japan K.K. • TES-AMM Korea Inc. • TES-AMM (Taiwan) Co. Ltd. • PT TES-AMM Indonesia • TES-AMM Vietnam Rep office •
TES-AMM Philippines, Inc. • TES-AMM Bangladesh Rep office (OCEANIA) • TES-AMM Australia Pty Ltd • TES-AMM New Zealand Ltd (E.M.E.A.) •
TES-AMM (Europe) Ltd • TES-AMM Africa



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WORKSHOP R2



WORKSHOP ABOUT THE NEW "R2:2013 STANDARD"

EXCLUSIVELY FOR THE PARTICIPANTS OF ELECTRONICS RECYCLING ASIA

Directed by:	John Lingelbach, R2 Solutions, USA
When:	Friday, November 15, 2013
Time:	09.00 h – 12.00 h
Location:	Hotel Shangri-La Singapore
Price:	US\$ 30 before September 30, 2013 US\$ 50 after September 30, 2013

Sponsor & organizer:



WHO SHOULD ATTEND THE WORKSHOP?

- Electronics recyclers and refurbishers
- OEMs and other "upstream" customers of electronics recyclers
- Others in the electronics recycling chain
- Auditors and consultants interested in providing R2:2013 services

R2:2013 – A BETTER WAY

A Workshop focusing on the new R2 ("Responsible Recycling") Standard for the Electronics Recycling Industry

R2:2013, the new version of the R2 Standard, is the most rigorous global EHS standard for the electronics recycling industry, both in regards to on-site EHS practices and downstream due diligence requirements.

This Workshop will provide an introduction and overview to R2:2013. Participants will learn about the substantive requirements of the Standard as well as the R2 certification process. Participants will come away with an appreciation for, and the details regarding, what it takes to become R2:2013 certified.

Space is limited! Please register to this workshop by means of the registration form of ICM AG.



SIGHTSEEING TOUR

FRIDAY, NOV. 15, 2013



Delegates interested in sightseeing may book an English guided city tour. The tour is offered on:

Friday, November 15, 2013

13.00 Departure by bus from the Shangri-La Hotel Singapore
17.00* Arrival at the Shangri-La Hotel Singapore



This tour highlights the growth of Singapore from a small fishing village to becoming a megapolis, in a span of 100 years.

We start the journey with a brief stop at the Istana for photos, then move on to the place where Sir Raffles Stamford was believed to have landed and started the colonisation. We will be passing by the famous Raffles hotel. We will stop next at the Merlion Park, the mythical creature with a lion head that got the name "Singapura" to this tiny island in the Malacca strait. We then drive past the attraction "Singapore Flyer" (World's largest observation Wheel) and the Marina Bay Sands resort.



We will stop briefly at the Singapore Gems Factory, then visit the china town (the entrance of china heritage centre is not covered), the temple of tooth relic and the mariamman temple. The next stop will be at the Malay Heritage Centre and the Sultan Mosque, and then to Little India, driving past the narrow lanes selling flowers and spices. Our last stop will be the botanical garden before returning.

* No guarantee on arrival time due to traffic conditions.

NETWORKING DINNER

On Wednesday, November 13, a memorable networking dinner will be organized in exciting Singapore.

Do not miss this perfect opportunity to meet your business partners and register for this evening now!



Meet friends and business partners in a relaxed atmosphere!

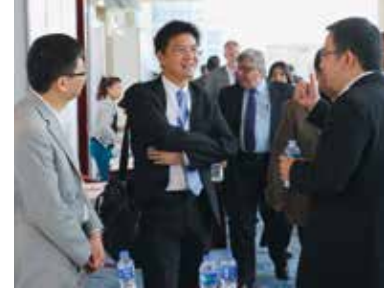
EXHIBITION AND POSTER PRESENTATIONS



The exhibition area provides your company with the perfect opportunity to reach key industry decision makers. Promote your products and advertising materials to all conference attendants.

The fee for an exhibition booth (2m x 3m) for the duration of the conference is from US\$ 3'000.- and for a poster presentation from US\$ 250.-.

Space is limited, so take the chance and book your exhibition booth or your poster presentation today!



EXHIBITORS



The power to do more



REGISTER BY
SEPT. 30, 2013
TO RECEIVE
DISCOUNT RATE

WHO SHOULD ATTEND?



- Original electronic equipment manufacturers (OEMs)
- Electronic components suppliers
- Electronic equipment importers and dealers
- Retailers
- Ferrous & non ferrous metal traders
- Collection and transportation companies
- Recycling and dismantling companies
- Shredding companies
- Plastics industry
- Non ferrous metal industry
- Ferrous and stainless steel industry
- Environmental authorities
- Universities and research institutes
- Laboratories for material science
- Consultants

Registration for the conference should be made by means of the registration form or online. Participants registering and paying **before September 30, 2013** will benefit from a reduced registration fee. The registration fee includes the conference, entrance to the exhibition, proceedings and luncheons.

REGISTRATION FEES

Conference Fee	before Sept. 30, 2013	after Sept. 30, 2013
Participants	US\$ 1'490.-	US\$ 1'590.-
Speakers	US\$ 990.-	US\$ 1'090.-
Universities, government & authorities	US\$ 590.-	US\$ 690.-
Networking dinner (Nov. 13, 2013)	US\$ 100.-	US\$ 120.-
Networking dinner for spouse (Nov. 13, 2013)	US\$ 120.-	US\$ 150.-
Conference registration on site US\$ 100.- surcharge		
Tuesday, Nov. 12, 2013 (you may choose one)		
- Plant tour to Cimelia Resource Recovery	US\$ 40.-	US\$ 60.-
- Plant tour to Semakau Landfill	US\$ 60.-	US\$ 80.-
Friday, Nov. 15, 2013 (you may choose one)		
- Plant tour to ECO Special Waste Management	US\$ 40.-	US\$ 60.-
- Plant tour to TES-AMM	US\$ 40.-	US\$ 60.-
- Workshop about the new "R2:2013 Standard"	US\$ 30.-	US\$ 50.-
- Sightseeing Tour	US\$ 30.-	US\$ 40.-

Online registration

NEW!

You may also register online at: www.icm.ch/wrf-2013

Conference language and additional proceedings

The language of the conference is English. If it is not possible for you to attend the conference, you may purchase the complete proceedings at US\$ 250.-. Participants will get the proceedings free of charge.

Payment

Payment should be made in US\$ by bank transfer or by credit card. Wire payment to:

Beneficiary: ICM AG
 Bank: Neue Aargauer Bank, 5400 Baden, Switzerland
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 Currency: US\$

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ICBR
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13th International Electronics Recycling Congress IERC 2014

IERC
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January 22 – 24, 2014
Salzburg, Austria



14th International Automobile Recycling Congress IARC 2014

IARC
2014



March 19 – 21, 2014
Brussels, Belgium



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