

# **12th International Electronics Recycling Congress**

**(IERC 2013)**

**Salzburg, Austria  
16-18 January 2013**

**ISBN: 978-1-62748-621-7**

## CONGRESS PROGRAM IERC 2013

**TUESDAY, JANUARY 15, 2013**

**17.00 – 19.00** Registration

**WEDNESDAY, JANUARY 16, 2013**

**08.30 – 09.30** Registration and welcome coffee

**09.30 – 11.00** Keynote speakers from industry and authorities

"Welcome and Introduction"

**Dr Viktor Haefeli, Chairman of the Steering Committee**

**KEYNOTE SPEAKERS**

"Trading on the London Metal Exchange (LME)"

**Christian Schirmeister, J.P. Morgan, United Kingdom 1**

"Strategies in challenging times"

**Anders Jansson, Stena Metall, Sweden 11**

**11.00 – 11.30** Coffee break

**Session 1: Dealing with unlevel playing fields around the world?**

**Session Chairman: Victor Duarte, IBM Corporate Environmental Affairs, Spain**

**11.30 – 11.50** "Creating system of WEEE collection – Problems in Eastern Europe" 19

**Artur Augustynowicz, Hermes Recycling sp. z o.o., Poland**

**11.50 – 12.10** "Environmental damages caused by commodities theft – What we can change" 28

**Christoph Werth, NOEX AG, Germany**

**12.10 – 12.30** "Prostitution in the waste industry! Are we, the recyclers, prostituted for the producers of WEEE?" 37

**Poul Bengt, Ragn-Sells Danmark A/S, Denmark**

**12.30 – 14.00** Lunch

**14.00 – 15.30** **PANEL DISCUSSION: "FREE TRADE, FAIR TRADE OR NO TRADE"**

**Moderator: Dr Mike Biddle, MBA Polymers, Inc., USA**

**Participants: Stefan-Georg Fuchs, Aurubis AG, Germany**

**Dr Jaco Huisman, Delft University of Technology, Netherlands**

**Prof. Oladele Osibanjo, Basel Convention Coordinating Centre for Training & Technology Transfer for the African Region, Nigeria**

**Jim Puckett, Basel Action Network (BAN), USA**

**15.30 – 16.00** Coffee break

Session 2: From waste to resources Session Chairman: Manfred Beck, Recycling International, Netherlands		Parallel Session 2: Strategic materials recycling Session Chairman: Dr Thomas Marinelli, Philips Lighting B.V., Netherlands		
16.00 – 16.30	"Innovative ideas for the collection of valuable electronic appliances: Example Electroreturn" <b>Manfred Fahrner, ALBA R-plus GmbH, Germany</b>	45	"Recycling of rare earth magnets" <b>Dr Allan Walton, University of Birmingham, United Kingdom</b>	95
16.30 – 17.00	"Recycling challenges and opportunities in developing countries" <b>The "Producer Alliance" Perspective</b> <b>Jean Cox-Kearns, DELL Global Takeback, Ireland</b>	65	"How to diversify its supply of rare earth by developing recycling? Example of fluorescent lamps and permanent magnets" <b>Frédéric Carencotte, Solvay Group, France</b>	N/A
17.00 – 17.30	"Recycled materials in consumer products – A mental step change for consumers and companies alike" <b>Cecilia Nord, Electrolux AB, Sweden</b>	76	"ITC-Product design – A question of mineral resources?" <b>Klaus Hieronymi, Hewlett-Packard</b>	111

17.30 – 18.30 "Bierfass" reception in the exhibition hall sponsored by



**AIR MERCURY**  
THE SHREDDER RESIDUE COMPANY

19.30

Networking dinner



## CONGRESS PROGRAM IERC 2013

THURSDAY, JANUARY 17, 2013

08.00 – 09.00 Welcome coffee

	<b>Session 3: Main challenges in WEEE 2.0</b> <b>Session Chairman: Dr Jaco Huisman,</b> <b>Delft University of Technology,</b> <b>Netherlands</b>	<b>Parallel Session 3: Optimizing pre processing</b> <b>Session Chairman: Venkatesha Murthy,</b> <b>Vans Chemistry Pte. Ltd., Singapore</b>
09.00 – 09.30	"WEEE2 – Standalone directive or an integral part of the EU's resource efficiency and Eco design strategies" 125 <b>Sigrid Linher, ORGALIME aisbl, Belgium</b>	"REDWAVE XRF – New applications in sensor-based-sorting using X-ray fluorescence" 163 <b>Martin Weiss, REDWAVE a trademark of BT-Wolfgang Binder GmbH, Austria</b>
09.30 – 10.00	"Producer and product responsibility – Renewal or replacement because of a paradigm shift?" 138 <b>Hans-Jochen Lückefett, 1WEEE Services GmbH, Germany</b>	"Recycling of highly functional and strategically important metals from WEEE – Current status and future perspectives" N/A <b>Prof. Vera S. Rotter, Berlin University of Technology &amp; Prof. Sabine Flamme, Münster University of Applied Sciences, Germany</b>
10.00 – 10.30	"How WEEELABEX will contribute to a green economy" 153 <b>Pascal Leroy, WEEE Forum, Belgium</b>	"Becoming more effective in treating WEEE scrap" 175 <b>Dieter Jerschl, Eldan Recycling, Germany</b>

10.30 – 11.00 Coffee break

	<b>Session 4: Update on display recycling</b> <b>Session Chairman: Stefan-Georg Fuchs</b> <b>Aurubis AG, Germany</b>	<b>Parallel Session 4: Technology developments</b> <b>Session Chairman: Prof. Hsiao-Kang Ma,</b> <b>National Taiwan University, Taiwan</b>
11.00 – 11.30	"The cutting edge technology of LCD treatment" 183 <b>Jan Visser, Coolrec bv, Netherlands</b>	"Online converting of CFCs in fridge disposal plants into compounds that do not deplete the ozone layer" 234 <b>Peter Hessler, UNTHA Recyclingtechnik GmbH, Germany</b>
11.30 – 12.00	"Facts & figures of display take back and recycling in Turkey" 198 <b>Murat Ilgar, Exitcom Recycling Ltd., Turkey</b>	"eVOLV™: The cleantech solution to electronic waste" 244 <b>Michael B. Korzenski, ATMI, Inc., USA</b>
12.00 – 12.30	"Material recovery of CRT panel glass in glass wool production" 222 <b>Martin Fišer, ASEKOL s.r.o., Czech Republic</b>	"Impacts of shredding technology for efficient WEEE recycling" 252 <b>Jörg Krönig, Vecoplan AG, Germany</b>

12.30 – 14.00 Lunch

**Session 5: Standards more effective than legislation?**  
**Session Chairman: Dr Sven Grieger, ENE EcologyNet Europe GmbH, Germany**

14.00 – 14.30	"The role of EOLE standards in leveling the playing field" 263 <b>Libby Chaplin, Arcadian Solutions &amp; Anne Peters, Gracestone, Inc., USA</b>
14.30 – 15.00	"Product sustainability standards and the impact on electronics design and recycling" <b>Carl E. Smith, EPEAT &amp; Call2Recycle®, Christina Bocher, DEKRA &amp; Henning M. Bloech, 283</b> <b>UL International GmbH, Germany</b>

#### Additional Papers:

"How WEELABEX is Levelling the Playing Field – weeforum" 290

**Pascal Leroy**

"The R2 Standard: International Quality & Integrity" 293

**Lynn Rubinstein, R2 Solutions**