

IERC 2011

10th International Electronics Recycling Congress IERC

January 19 – 21, 2011, Salzburg, Austria



Patronage:

Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria

European Electronics Recyclers Association (EERA)

European Lamp Companies Federation (ELC)

European Committee of Manufacturers of Domestic Equipment (CECED)

Electronics Recyclers' Association (ERA)

DIGITALEUROPE

ORGALIME

PlasticsEurope

WEEE Forum



WELCOME ADDRESS

Picture: BMLFUW/Newman



NIKOLAUS BERLAKOVICH
Federal Minister for
Agriculture, Forestry,
Environment and
Water Management

Currently we undergo turbulent times. The waste management has been influenced by tremendous economic changes during the past years. The prices of raw materials and for recycling materials dropped considerably and their sales declined. Nevertheless the standards for secondary materials have to be kept and must not be softened. They are both essential for an environmentally sound treatment and to raise the acceptance materials derived from waste. By no means the confidence in recycling materials must not be jeopardized as recycling and any kind of recovery save raw materials and are indispensable for a sustainable development.

The Austrian waste management has changed tremendously over the past decade. Non-recoverable waste has to be treated prior landfilling unless their TOC does

not exceed 5%. Residual waste from households and similar establishments undergoes a thermal treatment or mechanico-biological treatment. This pre-treatment ensures that the quantity of landfilled waste is reduced significantly and that only wastes with no relevant biological activity are landfilled which is inevitable for a safe and harmless disposal in the long term.

Special importance is still attached to the waste flow of electrical and electronic appliances, as the production of electrical and electronic appliances constitutes one of the most innovative and one of the most rapidly growing sectors of industry. In Austria the respective Directive could be implemented in time and completely, for the minimum quota (4 kg/EW/a) is, with a recycling quantity of 9.3 kg/EW/a exceeded by 130%. Also the system of elec-

tronic registration is cheap and smoothly functioning. So from the Austrian point of view the envisaged comprehensive revision of the WEEE Directive is of low-priority and should therefore be handled with care. Efficient systems, like in Austria with respectable collection quantities could be hampered respectively endangered.

The transfer of knowledge and the exchange of experience constitute important elements for introducing good solutions and comparable standards in the whole world. I am looking forward to the world of experts meeting in Austria, in Salzburg on the occasion of the IERC 2011, and I wish every success and a nice stay.



lebensministerium.at



FOREWORD



DR VIKTOR HAEFELI

Chairman of the
Steering Committee
International Electronics
Recycling Congress

Welcome to Salzburg – the hometown of Amadeus Mozart and “Red Bull”

In the name of the Steering Committee I welcome you to Salzburg for the 10th International Electronics Recycling Congress.

The Congress celebrates its 10th anniversary! All stakeholders of our congress contributed to this success – a growing, innovative, neutral and very effective platform to meet clients, listen to the news of the speakers, watch the hottest products of the exhibitors and make business in a relaxed atmosphere. Especially producers, authorities, scientists and recyclers meet at IERC 2011. The Steering Committee makes a lot of efforts to provide you an efficient network to exchange best practice, new technology and innovative production, collection and recycling solutions.

Europe is still the world's largest market in the field of electronics recycling. Meanwhile the electronics recycling business goes global. Probably Asia will take over the lead in this field very soon. It is important to learn from the others in order to improve our own businesses and to create a positive environmental impact. It does not make sense that Europe protects the environment and the rest of the world does not!

The electronic recycling business is undergoing a big change. In the last century the industrialisation needed mainly iron and fossil energy. Then they needed additionally chrome, nickel, vanadium, molybdenum, aluminium, electrical energy generated mainly by nuclear power. Looking into the future the engine for the advanced electronics industry is the mining of critical raw

materials like gallium, indium, germanium, tantalum, neodymium, gold and copper and in addition renewable energy like geothermal, wind and solar energy.

The challenge of all Hi Tec producers is to have enough from the critical raw material in the future. It is obvious that the electronic scrap is the richest source of the future bottle neck raw materials. Therefore, the importance of the congress is increasing – not only for our businesses but also to a worldwide, prosperous industrialization in the future. Be part of it!

I look forward to meet you in beautiful Salzburg – a town full of pioneers and success stories.



KEY MESSAGES



DR LEOPOLD ZHRER

Federal Ministry of Agriculture, Forestry,
Environment and Water Management
Head of Department
Waste Management
Austria

WELCOME TO SALZBURG - A
PLACE WHERE LEADERS FROM
THE ENVIRONMENT MEET!



SOLEDAD BLANCO

European Commission
DG Environment
Industry
Director
Belgium

PREVENTING ILLEGAL EXPORTS
OF ELECTRIC AND ELECTRONIC
WASTE



ABRAÃO DE CARVALHO (invited)

European Commission, DG Enterprise and Industry
Metals, Minerals,
Raw Materials
Head of Unit
Belgium

THE RAW MATERIALS INITIATIVE:
A NEW CHALLENGE FOR THE EU
RECYCLING INDUSTRY!



REINHARD WINKLER

Hewlett-Packard
Vice President Operations
Imaging & Printing Group
Europe - Middle East -
Africa

DOES SIZE MATTER? LESS
SUPPLIERS - LESS RECYCLERS?

ROGER BURRI

Air Mercury AG
President
Switzerland

THE INDUSTRY DOES NOT
NEED MORE LAWS - WE MUST
ENFORCE THE EXISTING ONES!



DR MICHAEL B. BIDDLE

MBA Polymers, Inc.
President and Founder
USA

CLOSING THE LOOP GLOBALLY!



JIM B. CHANG

FOXCONN CZ s.r.o.
General Director
Czech Republic

CRADLE TO CRADLE - HOW AN
OEM BECOMES A RECYCLER!



PROF. DUAN WENG

Tsinghua University
Institute for Energy and
Environment Materials
Director
China

WHERE WILL RECYCLING TAKE
PLACE IN 2020?



NORBERT ZONNEVELD

EERA
Executive Secretary
Netherlands

THE EUROPEAN RECYCLING IN-
DUSTRY IS WELL PREPARED FOR
TOMORROW'S CHALLENGES!



INTERNATIONAL STEERING COMMITTEE



DR VIKTOR HAEFELI
Chairman
RUAG Schweiz AG
CEO RUAG Technology
Switzerland



ROGER BURRI
Air Mercury AG
President
Switzerland



PROF. THEO LEHNER
Boliden Mineral AB
Manager Business
Development
Sweden



DR ANDREAS RÖTHLISBERGER
WEEE Forum
President
Switzerland



VICTOR DUART
Vice-Chairman
IBM Corporate Environmental Affairs
Manager Environmental Policy &
Programs Europe & Japan
Spain



MANFRED FAHRNER
ALBA R-plus GmbH
Chief Sales Officer
Germany



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



DR MATHIAS TELLENBACH
Terra Consult Berne
Mandated by the Swiss Federal Office
for the Environment FOEN
Switzerland



DR MICHAEL B. BIDDLE
**Chairman of the Scientific
Committee**
MBA Polymers, Inc.
President and Founder
USA



DR SVEN GRIEGER
ENE EcologyNet Europe GmbH
Managing Director
Germany



DR THOMAS MARINELLI
Philips Lighting B.V.
Director WEEE Management
Netherlands



PROF. YASUHIRO TSUGITA
University of EHIME
Professor and Consultant
Japan



MANFRED BECK
Recycling International
Magazine
Editor
Netherlands



KLAUS HIERONYMI
Hewlett-Packard
Chairman of the
Environmental Board
Europe – Middle East – Africa



VENKATESHA MURTHY
Cimelia Resource Recovery Pte. Ltd.
Director & Head
Singapore



NORBERT ZONNEVELD
EERA
Executive Secretary
Netherlands



STEPHANE BURBAN
Xstrata Copper Canada
Manager Recycling
Switzerland



DR JACO HUISMAN
Delft University of Technology
Associate Professor
Netherlands



WENDY NEU
Hugo Neu Corporation
Executive Vice President
USA



LOCATION OF THE CONGRESS



The 10th International Electronics Recycling Congress (IERC 2011) will be held at the:

Salzburg Congress
 Auerspergstraße 6
 5020 Salzburg, Austria

Phone +43 662 889870
 Fax +43 662 88987210
www.salzburgcongress.at



Salzburg Congress is located in the centre of Mozart's city. You can easily reach the congress centre by all modes of transport.

Salzburg – The city of Mozart

UNESCO nominated Salzburg's city centre as part of the world's cultural and natural heritage. Now the city officially ranks among the most beautiful cities in the world, certainly one deserving a high degree of protection.



www.salzburg.info

For the participants of the congress a number of rooms are held **at a special rate until December 15, 2010** at the hotels mentioned below. Reservation after this date will be subject to space and rate availability. If you wish, you may also extend your stay at the same rate.

HOTEL ACCOMMODATION



Sheraton Salzburg Hotel *****
 Auerspergstraße 4, 5020 Salzburg
 Phone +43 662 889990
 Fax +43 662 881776
www.sheraton.com/salzburg

next to the congress centre



Hotel Bristol Salzburg *****
 Makartplatz 4, 5020 Salzburg
 Phone +43 662 873557
 Fax +43 662 8735576
www.bristol-salzburg.at

5 minutes walking distance to the congress centre



Hotel Crowne Plaza Salzburg ****
 Rainerstraße 6–8, 5020 Salzburg
 Phone +43 662 889780
 Fax +43 662 878893
www.imalauer.com

2 minutes walking distance to the congress centre



Best Western Hotel Imlauer ****
 Rainerstraße 12, 5020 Salzburg
 Phone +43 662 88992
 Fax +43 662 8899271
www.imalauer.com
 (non smoking hotel, free parking!)
 5 minutes walking distance to the congress centre



Hotel Zum Hirschen Achat Plaza ****
 Saint Julien Straße 21–23, 5020 Salzburg
 Phone +43 662 889030
 Fax +43 662 8890358
www.zumhirschen.at

5 minutes walking distance to the congress centre

CONGRESS PROGRAM IERC 2011

WEDNESDAY, JANUARY 19, 2011

09.30 – 11.00 **Session 1: Keynote speakers from industry and authorities**
Session Chairman: Dr Viktor Haefeli, Chairman of the Steering Committee

"Welcome and Introduction"

Dr Viktor Haefeli, Chairman of the Steering Committee

"Opening Speech"

Dr Leopold Zahrer, Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria

KEYNOTE SPEAKERS

"Preventing illegal exports of electric and electronic waste"
Soledad Blanco, European Commission, Belgium

"The Raw Materials Initiative: A new challenge for the EU recycling industry!"
Abraão de Carvalho, European Commission, Belgium (invited)

"The future environmental challenges for HP's operations"
Reinhard Winkler, Hewlett-Packard, Imaging & Printing Group, Europe – Middle East – Africa

11.00 – 11.30 **Coffee break**

11.30 – 13.00 **PANEL DISCUSSION "How to stop illegal export!"**

Moderator: Roger Burri, Air Mercury AG, Switzerland

Participants: Soledad Blanco, European Commission, Belgium
Dr Marco Buletti, Swiss Federal Office for the Environment FOEN
Manfred Fahrner, ALBA R-plus GmbH, Germany / EERA
Eric Harris, ISRI, USA
Jan Vlak, NVMP, Netherlands

PRESENTING THE COWBELL AWARD 2011 by Dr Viktor Haefeli

13.00 – 14.30 **Lunch**

Session 2: Country Reports
Session Chairman: Stephane Burban
Xstrata Copper Canada
Switzerland

14.30 – 15.00 "Electronic scrap market of Argentina – South American trends"
Gustavo Fernández Protomastro
Silkers SA – Escrap, Argentina

15.00 – 15.30 "North American overview for e-cycling: Business and legislative perspectives"
Dr Mike Biddle, MBA Polymers, Inc., USA
and Jon Yob, Creative Recycling Systems, Inc., USA

Parallel Session: Reuse
Session Chairman: Dr Sven Grieger
ENE EcologyNet Europe GmbH
Germany

"Electronic waste and consumer behaviour towards disposal methods"
Prof. Andy Gibson, University of Manchester, United Kingdom

"PAS 141 – A standard for the reuse of WEEE; encouraging safe, good quality reuse and helping end illegal exports of WEEE"
Gary Griffiths, RDC, United Kingdom

15.30 – 16.00 **Coffee break**

Session 3: Standards
Session Chairman: Dr Andreas Röthlisberger, WEEE Forum, Switzerland

16.00 – 16.20 "Enhancing the credibility of WEEE-reporting: The introduction of the ISO 17020 Certification Standard in Belgium"
Dr Roeland Bracke, OVAM – Public Waste Agency of Flanders, Belgium

16.20 – 16.40 "Recycling standards: Who will benefit? And how?"
Wolfgang Schober, TechProtect – Take Back Solutions, Germany

16.40 – 17.00 "Status report of the implementation of WEEELABEX and issues for Eco-systèmes"
Richard Toffolet, Eco-systèmes, France

17.00 – 17.20 "Standard for end processing of WEEE fractions"
Johan Zwart, Eurometaux/EERA, Netherlands

17.20 – 18.30 **"Bierfass" reception in the exhibition hall sponsored by**



AIR MERCURY
RECYCLING & METAL TRADING

19.30 **Networking dinner**

CONGRESS PROGRAM IERC 2011

THURSDAY, JANUARY 20, 2011

Session 4: WEEE Recast

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

- 09.00 – 09.30 "The WEEE recast and its impact on producers"
Jean Cox-Kearns, Waste Cluster Chair, DIGITALEUROPE, Belgium
- 09.30 – 10.00 "WEEE Directive recast – Let's not waste the opportunity"
Fabio Ginesi, CECED, Belgium
- 10.00 – 10.30 "Recast of WEEE: Where to go from now? Threats and opportunities"
Sigrid Linher, ORGALIME, Belgium

10.30 – 11.00 **Coffee break**

Session 5: Technology I

Session Chairman: Prof. Hsiao-Kang Ma
National Taiwan University, Taiwan

- 11.00 – 11.30 "WRAP report on WEEE plastic separations"
Keith Freegard, Axion Recycling Ltd. United Kingdom
- 11.30 – 12.00 "New IC-process for refrigerator recycling"
Christopher Drechsel, BHS-Sonthofen GmbH, Germany
- 12.00 – 12.30 "Recovery and refining of precious metals from PCBs"
Roberto Guidali, Italimpianti Orafi Spa Italy/swissRTec AG, Switzerland

Parallel Session: Collection

Session Chairman: Venkatesha Murthy
Cimelia Resource Recovery Pte. Ltd. Singapore

- "WEEE recast: How to avoid another 'paper' collection target?"
Dr Jaco Huisman, Delft University of Technology, Netherlands
- "Willingness to recycle electronic waste – Results from a national survey of U.S. households"
Prof. Jean-Daniel Saphores, University of California, Civil and Environmental Engineering, USA
- "Improving collection as one of the main targets of Producer Responsibility Organisations"
Dr Danilo Bonato, ReMedia, Italy

12.30 – 14.00 **Lunch**

Session 6: Technology II

Session Chairman: Dr Thomas Marinelli
Philips Lighting B.V., Netherlands

- 14.00 – 14.30 "Development of a flat-screen dismantling table with mercury filtration system to recover the secondary raw material"
Elisabeth Walter, Institut für Energie und Umwelttechnik e.V. (IUTA), Germany
- 14.30 – 15.00 "Recycling of rare metals in Japan"
Prof. Yasuhiro Tsugita, University of EHIME, Japan

Parallel Session: Resources/Cradle to Cradle

Session Chairman: Manfred Beck
Recycling International Magazine Netherlands

- "WEEE plastics and FRs: Recycling challenges and solutions"
Chris Slijkhuis, European Electronics Recyclers Association (EERA) and Lein Tange, European Flame Retardants Association (EFRA)
- "Sustainability in recycling of E&E scrap, future challenges for all parties of the 'Closed Loop Recycling Management'"
Thaddäus Steinmann, RUAG Schweiz AG Switzerland

15.00 – 15.30 **Coffee break**

15.30 – 17.00 **PANEL DISCUSSION "Where will recycling take place in 2020?"**

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

Participants: José Ramón Carbajosa, Fundación ECOLEC, Spain
Jim B. Chang, FOXCONN CZ s.r.o., Czech Republic
Klaus Hieronymi, Hewlett-Packard, Europe – Middle East – Africa
Prof. Ab Stevels, Delft University of Technology, Netherlands
Prof. Duan Weng, Tsinghua University, China
Norbert Zonneveld, EERA, Netherlands

from 17.00 **Cocktail reception in the exhibition hall**

PLANT TOURS IERC 2011

FRIDAY, JANUARY 21, 2011



ELEKTRONIK ALTGERÄTE RECYCLING WEST GMBH (EAR) AND TIROLER RECYCLING GMBH & CO KG (TRG), PFAFFENHOFEN

08.00	Departure by bus to Elektronik Altgeräte Recycling West GmbH (EAR)
10.45	Arrival at EAR
10.45 – 11.45	Visit of the electronics recycling plant
12.00	Arrival at Tiroler Recycling GmbH & CoKG (TRG)
12.00 – 14.00	Visit of the new sorting plant of beverage cartons and polymers
17.00 *	Arrival at Salzburg Airport
17.15	Arrival at the Salzburg Congress Centre

The company **HÖPPERGER** has set up the Europe-wide most modern small electronic device recycling plant with a capacity of 17,000 annual tons. The plant was built by the company MeWa. The heart of the plant is the so-called Querstromzersetzer, which can be filled with mixed electric and electronic scrap, without having to prepare or disassemble the material before. The filling is rotated and through intensive acceleration the devices collide with each other with high force. During this the compounds are disintegrated carefully. Through the screen, magnet and eddy current separator, as well as manual sorting, the material is separated into marketable fractions. As required by the WEEE-directive, the contaminated batteries and condensers are not damaged by the gentle processing. Therefore all resources like iron, copper, aluminium and plastics can be recycled meaningfully.

www.hoepperger.at

ear



* No guarantee on arrival time due to traffic conditions.

SORTING OF BEVERAGE CARTONS AND POLYMERS: THE BEST AVAILABLE TECHNOLOGY IN AUSTRIA



ONE OF THE TYPICAL SORTING TASKS WHICH ARE BUILT-IN IN OUR PLANT ARE SORTING OF POLYMERS ACCORDING TO THEIR TYPE OF MATERIAL (PET, HDPE, PP, PS, MIXED POLYMERS, ETC) AND BEVERAGE CARTONS.

THE BACKBONE OF OUR PLANT IS THE HANDLING TECHNOLOGY - 86 HANDLING MACHINE GROUPS, SUCH AS SLIDING BELT CONVEYORS AND ROLLER BELT CONVEYORS.

FIRST OF ALL, DIFFERENT PLASTIC FRACTIONS ARE SORTED BY VARIOUS ELEMENTS (DRUM SIEVES, VIBRATING SIEVES, MAGNETIC SEPARATORS, FLIP-FLOP SCREENING MACHINES, BALLISTIC SEPARATORS, WINDSIFTERS, ETC.) ACCORDING TO PARTICLE SIZE AND PHYSICAL PROPERTY.

THE FLEXIBLE SORTING SYSTEM COMBINES NIR AND VIS SENSORS TO AN UNIVERSAL SORTING SYSTEM. VIS SENSORS ARE USED TO RECOGNIZE COLORS BY SPECTRAL ANALYSIS WHICH ALLOWS SORTING A WIDE RANGE OF PLASTICS.

THE PLANT TECHNOLOGY ENDS WITH COMPACTING THE SORTED BEVERAGE CARTONS AND POLYMERS. THEY HAVE A HIGH DEGREE OF PURITY (>95%).



TIROLER RECYCLING GMBH & CO KG

GEWERBEPARK 22 • 6405 PFAFFENHOFEN

TEL: +43(0)5262/66413 • FAX: +43(0)5262/66413-32 • E-MAIL: TRG@HOEPPERGER.AT

PLANT TOURS IERC 2011

FRIDAY, JANUARY 21, 2011

MONTANWERKE BRIXLEGG AG BRIXLEGG



09.00	Departure by bus to Montanwerke Brixlegg AG
11.00	Arrival at Montanwerke Brixlegg AG
11.00 – 13.00	Visit of the copper smelter
15.00*	Arrival at Salzburg Airport
15.15	Arrival at the Salzburg Congress Centre

Montanwerke Brixlegg AG is Austria's only copper producer and has a history stretching back more than 500 years. Today Montanwerke is one of the leading secondary smelters in Europe.

Core business is recycling copper and other precious metals from scrap and in further steps process it into cathodes and billets. For these two highly pure copper products the total output is over 200,000 tons per year.

www.montanwerke-brixlegg.com

* No guarantee on arrival time due to traffic conditions.



99,99%

COPPER CONTENT



Each year, the Montanwerke Brixlegg AG processes approximately 130,000 tons of copper containing secondary materials. The recovered highly pure copper has a copper content of 99,99 %. This excellent quality and a wide range of application possibilities have made the brand "BRX" well known worldwide.

More information about recycling and the production you can find under www.montanwerke-brixlegg.com

a company of AREC INDUSTRIES AG

MONTANWERKE 
BRIXLEGG

PLANT TOURS IERC 2011

FRIDAY, JANUARY 21, 2011

UFH RE-CYCLING GMBH AND MBA POLYMERS KUNSTSTOFFVERARBEITUNG GMBH, KEMATEN



08.00	Departure by bus to UFH RE-cycling GmbH
10.00	Arrival at UFH RE-cycling GmbH
10.00 – 12.00	Visit of the fridge recycling plant
12.15	Arrival at MBA Polymers Kunststoffverarbeitung GmbH
12.15 – 14.15	Visit of the plastic recycling plant
16.30 *	Arrival at Salzburg Airport
16.45	Arrival at the Salzburg Congress Centre

UFH RE-cycling – fridge recycling at its best. In response to the increasing scarcity of raw materials and the resulting rise in the demand for secondary raw materials, UFH, Austria's market leader in collection and recycling systems, and REMONDIS, one of the world's largest privately owned water and environmental service companies with its headquarters in Lünen, Germany, undertook the joint project "UFH RE-cycling" in 2009. Austria's most modern processing centre for fridges and freezers extends across a 15,000 m² site and operates a three-shift model, allowing it to process nearly 300,000 cooling units a year – or roughly 1,000 units a day. This means that over 400 kilograms of CFCs and other coolants and pump fluids are recovered and disposed of properly each day.

www.ufhrecycling.at

MBA Polymers produces high grade plastics from highly mixed plastic waste derived primarily from End-Of-Life Electronics and other durable products. MBA's products are used by some of the world's largest manufacturers of durable goods, replacing virgin plastics and helping these manufacturers "close the loop" and make more sustainable products. The technical visit will include the MBA Polymers production facility in Kematen/Ybbs. On a surface of 20,000 sqm of which some 8,000 sqm covered surface, this plastics recovery plant represents one of the most advanced plastic-recycling facilities of the world with a processing capacity of 40,000 tons per year. The 60 highly qualified MBA Polymers Austria team members operate an automated high-tech recycling production process in 3 shifts. There are 3 individual production stages supervised by a constant quality assurance system.

www.mbapolymers.at

* No guarantee on arrival time due to traffic conditions.



UFH RE-cycling – fridge recycling at its best

UFH RE-cycling is Austria's most modern processing centre for fridges and freezers. Cutting-edge technology allows for the recovery of almost 95% of the materials from a cooling unit, which can then be used as raw materials for new products.



UFH RE-cycling GmbH · Wirtschaftspark Kematen, 3331 Kematen/Ybbs, Austria
T (07476) 76401-0 · F (07476) 76401-20 · office@ufhrecycling.at · www.ufhrecycling.at

UFH RECYCLING



MBA Polymers Austria

Responsibility starts with the raw material

Plastic rich
fractions from
durable goods ...



... to make
recycled
plastics



MBA Polymers Austria Kunststoffverarbeitung GmbH, Wirtschaftspark Kematen, A-3331 Kematen/Ybbs, Austria,
Tel: +43 7476 77 488, Fax: +43 7476 77 488 -44, <http://www.mba-polymers.at>, office@mba-polymers.at

EXHIBITION AND POSTER PRESENTATIONS



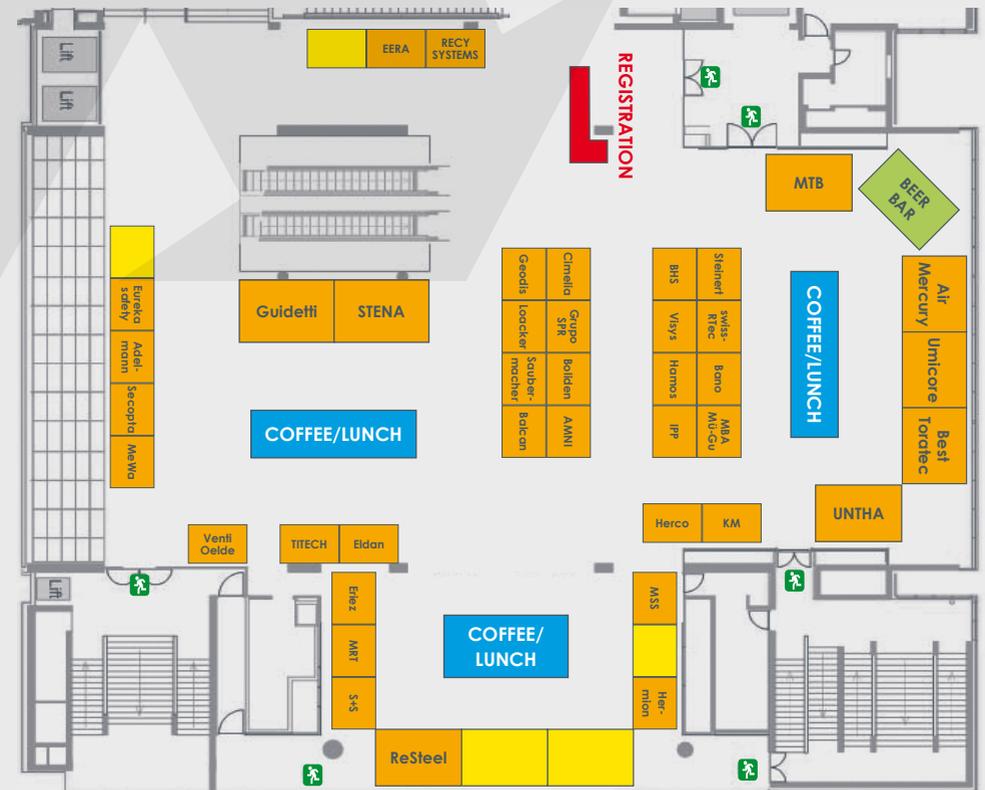
A large exhibition area will be offered to companies wishing to display their products or advertising materials. The fees for an exhibition booth for the full time of the congress are:

Booth 6 m² 2 m x 3 m **EUR 3'000.-**
Booth 12 m² 3 m x 4 m **EUR 4'500.-**

Space is limited, so take your chance and book your exhibition booth today!



LAYOUT EXHIBITION



Exhibitors, as per October 1, 2010

- Adelmann Umwelt GmbH, Germany
- Air Mercury AG, Switzerland
- AMNI Maschinenbau GmbH, Germany
- Balcan Engineering Ltd., United Kingdom
- Bano Recycling s.r.l., Italy
- Best Toratec, S.L., Spain
- BHS-Sonthofen GmbH, Germany
- Boliden AB, Sweden
- Cimelia Resource Recovery Pte. Ltd., Singapore
- EERA, Netherlands
- Eldan Recycling A/S, Denmark
- Eriez Magnetics Europe Ltd., United Kingdom
- GEODIS Logistics Deutschland GmbH, Germany
- Grupo SPR, Spain
- Guidetti S.r.l., Italy
- Hamos GmbH, Germany
- Herco Kühltechnik Hermanns & Co. GmbH, Germany
- Hermion B.V., Netherlands
- IPP Logipal B.V., Netherlands
- KM Key Machinery GmbH, Germany
- Locker Recycling GmbH, Austria
- MeWa Recycling Maschinen und Anlagenbau GmbH, Germany
- MRT System International AB, Sweden
- MSS, Inc., USA
- MTB-Recycling, France
- Müller-Guttenbrunn Group/MBA Polymers, Austria
- RECY SYSTEMS AG, Germany
- ReSteel International BV, Netherlands
- S+S Separation and Sorting Technology GmbH, Germany
- Saubermacher Dienstleistungs AG, Austria
- SECOPTA GmbH, Germany
- Steinert Elektromagnetbau GmbH, Germany
- Stena Technoworld AB, Sweden
- swissRTEC AG, Switzerland
- TITECH GmbH, Germany
- Umicore Precious Metals Refining, Belgium
- UNTHA Recyclingtechnik GmbH, Germany
- Ventilatorenfabrik Oelde GmbH, Germany
- Visys NV Cleantech Sorting, Belgium

REGISTER BY
NOV. 30, 2010
TO RECEIVE
DISCOUNT RATE

NETWORKING DINNER



On Wednesday, January 19, a special networking dinner will be organized in beautiful Salzburg.

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



Meet friends and
business partners in a
nice atmosphere!



Registration for the congress should be made by means of the registration form. Participants registering and paying **before November 30, 2010** will benefit from a reduced registration fee. The registration fee includes congress, entrance to the exhibition, proceedings and luncheons.

REGISTRATION FEES

	before Nov. 30, 2010	after Nov. 30, 2010
Congress Fee		
Fee for participants	€ 1'390.-	€ 1'490.-
Fee for speakers	€ 790.-	€ 890.-
Fee for students	€ 590.-	€ 690.-
Networking dinner (Jan. 19, 2011)	€ 100.-	€ 120.-
 Plant tours (Jan. 21, 2011):		
- EAR and TRG	€ 30.-	€ 50.-
- Montanwerke Brixlegg	€ 30.-	€ 50.-
- UFH RE-cycling and MBA Polymers	€ 30.-	€ 50.-
 Accompanying Person (spouse)		
Networking dinner (Jan. 19, 2011)	€ 120.-	€ 140.-

Registration on site € 100.- surcharge
(all prices excl. VAT)

Additional Proceedings

If it is not possible for you to attend the congress, you may purchase the complete proceedings at € 350.-. Participants will get the proceedings free of charge.

Payment

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

Beneficiary: ICM AG
Bank: Neue Aargauer Bank, 5400 Baden, Switzerland
Account number: 447941-72
IBAN: CH41 0588 1044 7941 7200 0
Clearing number: 5881
Swift code: AHHBCH22XXX

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International
Congress & Marketing
Schwaderhof 7
5708 Birrwil, Switzerland

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Fax +41 62 785 10 05

info@icm.ch
www.icm.ch

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

ORGANIZER OF IERC 2011



**JEANETTE
DUTTLINGER**
Congress Organizer



**SUSANN
SCHMID**
Congress Assistant



**YING
LIU REICHENBACH**
Congress Assistant



**CLAUDIA
GERSTENDÖRFER**
Congress Assistant



**SIBYLLE
ZIMMERLI**
Congress Assistant



**SANDRA
MANNHART**
Congress Assistant



SKIING WEEKEND IN OBERTAUERN WWW.OBERTAUERN.COM

Why not extend your stay in Salzburg and enjoy a beautiful weekend in the mountains only 1 hour car drive from Salzburg?

Obertauern is one of the Alpine skiing resorts where snow is guaranteed. And that means: ideal skiing conditions from the end of November until beginning of May!

Obertauern is situated in the fantastic Salzburg mountain world at altitudes between 1630 m and 2313 m. There you will also have great après ski, exciting nightlife, modern hotels, top wellness and fitness facilities and last but not least a wonderfully relaxed holiday atmosphere!

We have organized a skiing weekend in the beautiful hotel "Das Seekarhaus"

www.seekarhaus.at which is situated in the middle of the mountains. A limited number of hotel rooms are reserved, so please book today!

Come and enjoy together with your friends and business partners a great, unforgettable weekend with lots of snow, fun and "Jägertee".

**For booking contact:
info@icm.ch**

★★★★ SUPERIOR
Das seekarhaus
EIN MYTHOS IN SILBER



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