

Sponsors:



8th International Electronics Recycling Congress

January 21 – 23, 2009

Salzburg, Austria



Patronage:

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

European Electronics Recyclers Association (EERA)

European Information, Communications & Consumer Electronics
Technology Industry Association (EICTA)

European Lamp Companies Federation (ELC)

ORGALIME

PlasticsEurope

WEEE Forum



Welcome Address



Dr Leopold ZÄHRER

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

Electrical and electronic equipment (EEE) has been identified as one of the fastest growing waste streams in the EU. According to estimations the volume of this waste stream will double within the next 12 years. By setting collection targets for WEEE and batteries and requiring recycling, EU-legislation contributes to making consumption and production in the EU more sustainable. The European Directive on Waste from Electrical and Electronic Equipment (WEEE) 2002/96/EC aims to reduce the amount of WEEE going to landfills, by requiring all manufacturers and producers to take responsibility for what happens to the products they sell at the end of their lives. EC Directive 2002/95/EC restricts the use of certain hazardous substances in electrical and electronic equipment (RoHS) such as various heavy metals and specific brominated flame retardants in new electrical and electronic equipment put on the market in order to prevent and reduce the generation of hazardous waste. Both EC-directives were transposed into national legislation by means of the Ordinance on Waste Electrical Equipment as amended, which successfully has been in force in Austria since 13 August 2005.



On the basis of the excellent collection performance of the citizens, the implementation has been a great success.

The quantity of collected WEEE in Austria, amounting 7,68 kg per capita in the year 2007, exceeds the target fixed at EU level by 92%. The collection and recycling of WEEE contributes to effective resource management, energy savings and makes a difference on climate change.

In this context Austrian projects offering training programmes for service providers specialising in repair should also be mentioned. Great importance is attached to the trend reversal from the throwaway trend to cost-effective society, which means saving resources and avoiding waste.

The revision of the EC Batteries Directive represents another important step towards the goal of making Europe into a recycling society and aims to protect the environment by ensuring waste batteries are properly collected and recycled. Even now in Austria collection rates of batteries are relatively high. The EC-Directive further restricts the use of certain hazardous substances in the production of new batteries and obliges battery manufacturers to provide clearer labeling on batteries to show how long the life of each battery is.

Recently in Austria the Directive was implemented by the Ordinance on Batteries (Fed. Law Gazette 159/2008), which requires manufacturers and importers to take the responsibility for financing the collection and environmentally sound treatment of batteries at no cost to the consumer.

The aim in Austria must be further improvement of collection and recycling quotas of both, WEEE and batteries, recognizing sustainability as the guiding principle of environmental protection.

Have a nice time in Salzburg!

Keynote Speakers



Timo MÄKELÄ

European Commission
DG Environment, Director Sustainable Development and Integration
Belgium

“Is the WEEE Directive a business generator?”



Joachim REINHART

Panasonic Europe Ltd.
President & COO
Germany, United Kingdom

“Individual Producer Responsibility, dilemma or dead end – Panasonic’s multinational approach”



Frank DICKER

Saubermacher Dienstleistungs AG
COO
Austria

“Saubermacher on the way from a traditional waste disposal company to a resource recycling company”

Foreword



Welcome to Salzburg – the hometown of Amadeus Mozart!

In the name of the Steering Committee I welcome you to Salzburg for the 8th International Electronics Recycling Congress.

The launch of the European “WEEE directive” has been a real pioneering act. It did create thousands of jobs in the fields of recycling, machinery, transportation, engineering and science. This is one of the greatest impacts on the recycling industry worldwide ever seen. We now face up to 8 to 12 million tons of electronic waste in Europe every year. Not everything is going to be collected and environmentally sound recycled, but everyday it gets better and better. A huge amount of plastics, thousands of tons of glass and millions of tons of metal fractions have to be recycled. Due to the high recycling objectives there is no land filling or incineration possible anymore.

But who is paying the bill? Who is taking care of these tremendous mass streams? Who has the guts to invest in costly plants? Who is going to control the actors? Do the new laws change

the strategies of the OEMs, the plastics and the metal industry? One thing is for sure, those companies and parties involved who make the wrong decisions or the right decisions too late will suffer in future. This means, that we, the industry, must make the right decisions today in order to be competitive in tomorrow's markets.

Recently I have seen in North America, that recycling is THE fastest growing industry of all economy sectors! This fact should encourage all of us to go on.

The congress offers you a platform to exchange information with government, business, academia and society, to meet your business partners, competitors and to get access to new potential clients.

We are much honored that the congress is also under the patronage of the Austrian Ministry as well as supported by the EU.

See you in beautiful and historical Salzburg.

Dr Viktor Haefeli

Chairman of the Steering Committee
International Electronics Recycling Congress

International Steering Committee



Dr Viktor Haefeli
Chairman
RUAG Components
CEO
Switzerland



Victor Duart
Vice-Chairman
IBM Europe/M East/Africa
Manager Environmental
Affairs & Product Safety
Spain



Dr Michael B. Biddle
Chairman of the Scientific Committee
MBA Polymers, Inc.
Founder and President
USA



Prof. Takao Araki
University of Ehime
Japan



Manfred Beck
Recycling International
Magazine
Editor
Netherlands



Stephane Burban
Xstrata Copper Canada
Manager Recycling
Switzerland



Roger Burri
Air Mercury AG
President
Switzerland



Thomas Dietershagen
ENE EcologyNet Europe
GmbH
Managing Director
Germany



Manfred Fahrner
ALBA R-plus GmbH
Manager European Business
Germany



Filip Geerts
CECIMO
Secretary General
Belgium



Klaus Hieronymi
Hewlett-Packard Europe,
Middle East and Africa
Director, Environmental Business
Management Organization
Germany



Dr Jaco Huisman
United Nations University
Germany



Prof. Theo Lehner
Manager Business
Development
Sweden



Prof. Hsiao-Kang Ma
National Taiwan University
Taiwan



Dr Thomas Marinelli
Philips Lighting B.V.
Director Weee Program
Management
Netherlands



Dr Mathias Tellenbach
Federal Office for the
Environment
Consultant
Switzerland



Norbert Zonneveld
EERA
Executive Secretary
Netherlands

Salzburg – an ideal and professional congress place

The 8th International Electronics Recycling Congress (IERC 2009) 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

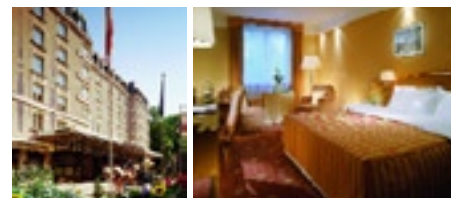
UNESCO nominated Salzburg's city centre as part of the world's cultural and natural heritage. Now the city officially ranks among the most beautiful cities in the world, certainly one deserving a high degree of protection.

www.salzburg.info



Hotel accommodation

For the participants of the congress a number of rooms are held **until December 12, 2008 at a special rate** at the below-mentioned hotels. 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.



Sheraton Salzburg Hotel *****

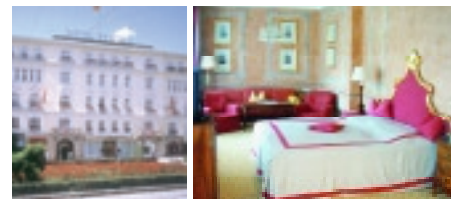
Auerspergstraße 4, 5020 Salzburg

Phone +43 662 889990

Fax +43 662 881776

www.sheraton.com/salzburg

next to the congress place



Hotel Bristol Salzburg *****

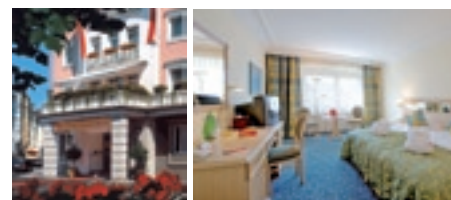
Makartplatz 4, 5020 Salzburg

Phone +43 662 873557

Fax +43 662 8735576

www.bristol-salzburg.at

5 minutes walking distance to the congress centre



Hotel Crowne Plaza Salzburg ****

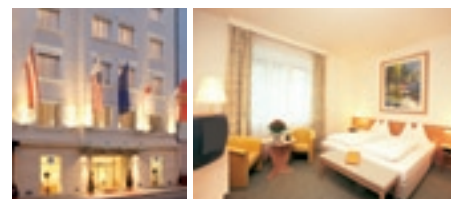
Rainerstraße 6-8, 5020 Salzburg

Phone +43 662 877694

Fax +43 662 877694-16

www.imlauer.com

2 minutes walking distance to the congress centre



Best Western Hotel Imlauer ****

Rainerstraße 12, 5020 Salzburg

Phone +43 662 889920

Fax +43 662 8899271

www.imlauer.com/en/hotel_imlauer.shtml

Non smoking hotel, free parking!
5 minutes walking distance to the congress centre



Austria Trend Hotel Europa Salzburg *****

Rainerstraße 3, 5020 Salzburg

Phone +43 662 889930

Fax +43 662 889938

www.austria-trend.at/eus

10 minutes walking distance to the congress centre

Congress Program IERC 2009

Wednesday, 21st January 2009

Session 1:	Keynote speakers from industry and government
Session Chairman:	Dr Viktor Haefeli, Chairman of the Steering Committee

09.30 – 09.45	<p>“Welcome and Introduction” Dr Viktor Haefeli, Chairman of the Steering Committee</p> <p>“Opening Speech” Dr Leopold ZÄHRER, Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria</p>
09.45 – 11.15	<p>“Is the WEEE Directive a business generator?” Timo MÄKELÄ, European Commission, DG Environment, Belgium</p> <p>“Individual Producer Responsibility, dilemma or dead end – Panasonic’s multinational approach” Joachim REINHART, Panasonic Europe Ltd., Germany & UK</p> <p>“Saubermacher on the way from a traditional waste disposal company to a resource recycling company” Frank DICKER, Saubermacher Dienstleistungs AG, Austria</p>

11.15 – 12.30	<p><u>PANEL DISCUSSION 1:</u></p> <p>“Where are WEEE in 2020?”</p> <p>Introduction: Klaus Hieronymi, Hewlett-Packard Europe, Middle East and Africa (EMEA)</p> <p>Participants: Timo Mäkelä, European Commission Joachim Reinhart, Panasonic Europe Ltd. Frank Dicker, Saubermacher Dienstleistungs AG Dr Mike Biddle, MBA Polymers Inc. Stephane Burban, Xstrata Copper Canada Jean Cox-Kearns, Dell Europe, Middle East and Africa Alfred Hambsch, GEEP Dr Ingo Sartorius, PlasticsEurope</p>
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12.30 – 14.00 Lunch

Session 2:	Challenges and progress in WEEE recycling
Session Chairman:	Thomas Dietershagen, ENE EcologyNet Europe GmbH, Germany

14.00 – 14.30	<p>“Recycling of fridges containing CFCs: Control of best available techniques and plants” Jürgen Resch, Deutsche Umwelthilfe e.V., Germany</p>
14.30 – 15.00	<p>“Quality criteria for the treatment of refrigerators” Dr Christian Keri, Ministry of Agriculture, Forestry, Environment and Water Management, Austria</p>
15.00 – 15.30	<p>“Environmental impacts in life cycle of electronic products and the solution strategies for China” Prof. GuangMing Li, College of Environmental Science and Engineering, Tongji University, China</p>
15.30 – 16.00	Coffee break

Session 3:	How do countries close the recycling loop?
Session Chairman:	Victor Duarte, IBM Europe/M East/Africa, Spain

16.00 – 16.30	<p>“Scenario of e-waste management and various efforts towards sustainable e-waste management in India” Dr Shyamala Mani, Centre for Environment Education, India</p>
16.30 – 17.00	<p>“Recent developments in the E-scrap business in North America” Joseph C. Yob, Jr., Creative Recycling Systems, Inc., USA</p>
17.00 – 17.30	<p>“A review on Taiwan’s National Recycling Scheme for waste electrical and electronic equipment” Ya-yun Wu, Taiwan Environmental Protection Administration (EPA), Taiwan</p>
17.30 – 18.30	<p>“Bierfass” reception in the exhibition hall</p> <p>sponsored by  </p>
19.30	Networking dinner

Thursday, 22nd January 2009

Session 4: How do recyclers close the recycling loop? Session Chairman: Roger Burri, Air Mercury AG, Switzerland

- 09.00 – 09.30 "Alternative use of CRT cullets in bottle glass"
André Assmann, CRT Recycling Ltd. / RfG GmbH, Germany
- 09.30 – 10.00 "A discussion around flame retardants might endanger reaching the WEEE targets"
Chris Slijkhuis, MBA Polymers Inc., Austria
- 10.00 – 10.30 "Separation technologies for WEEE plastics - The new WERSAG plant"
Dr Rainer Köhnlechner, Hamos GmbH, Germany
- 10.30 – 11.00 Coffee break**

Session 5: E-recycling from costs to profit? Session Chairman: Dr Mike Biddle, MBA Polymers, Inc., USA

- 11.00 – 11.30 "E scrap recycling.... some future perspectives"
Gerry Killen, Global E Scrap Limited, United Kingdom
- 11.30 – 12.00 "Exposing the myth of using cheap labor for WEEE recycling"
Jim Puckett, Basel Action Network (BAN), USA
- 12.00 – 12.30 "Recycling industry - High tech vs. profit"
Phär Oscár, Stena Technoworld AB, Sweden
- 12.30 – 14.00 Lunch**

Session 6: How do countries implement the WEEE regulations? Session Chairman: Manfred Fahrner, ALBA R-plus GmbH, Germany

- 14.00 – 14.30 "Enforcement and harmonisation of national registers"
Rachel Baudry, ADEME / European Network of WEEE Registers – EWRN, France
- 14.30 – 15.00 "StEP: Global work in progress to solve the e-waste problem"
Dr Jaco Huisman, United Nations University – UNU, Germany
- 15.00 – 15.30 "WEEE label of excellence – A new tool for monitoring e-waste processing companies"
Dr Robert Hediger, WEEE Forum, Belgium

Parallel Session 7: Spotlight on lamp recycling Session Chairman: Dr Thomas Marinelli, Philips Lighting B.V., Netherlands

- 14.00 – 14.30 "WEEE challenges of the lamp industry"
Peter Florack, Osram GmbH / ELC Federation, Germany
- 14.30 – 15.00 "Logistic as a key to minimize take-back costs of end-used lamps"
Veronika Saile, Lightcycle Retourlogistik und Service GmbH, Germany
- 15.00 – 15.30 "How regulations drive technology development in lamp recycling"
Sven Stenarson, MRT System International AB, Sweden
- 15.30 – 16.00 Coffee break**

16.00 – 17.00 PANEL DISCUSSION 2:

"Is the review of the WEEE Directive addressing the market realities?"

Introduction: Kurt Van der Herten

Moderator: Manfred Beck, Recycling International Magazine

Participants: Richard Barnish, Valpak
Sigrid Linher, Orgalime
Umberto Raiteri, European Recycling Platform
Representative from EICTA
Dr Andreas Röthlisberger, WEEE Forum
Norbert Zonneveld, EERA

from 17.00 Cocktail reception in the exhibition hall

sponsored by  **STENA**

Plant tours on Friday, 23rd January 2009

Every participant may choose one of the following tours:

Plant tour to AVE Österreich GmbH / SEG Umwelt-Service GmbH, Timelkam

09.00	Departure by bus to AVE Timelkam
10.30	Arrival at AVE
10.30 – 12.30	Visit of the fridge recycling plant
14.30 *	Arrival at Salzburg Airport
15.00	Arrival at the Salzburg Congress Centre



The AVE Group – a 100% subsidiary of the infrastructure group Energie AG Oberösterreich – is one of the leading waste management groups on the market in Central and Eastern Europe. On account of its innovative and investment power, AVE has grown into a strong partner for municipal and private customers well beyond national borders.

One of its core activities is the disposal of electronic equipment and cooling units. For this purpose, AVE set up a competence centre in Timelkam in Austria. Since 1992, the waste disposal company has been operating a cooling unit recycling plant in cooperation with SEG Umweltservice GmbH, which to date is still the most innovative plant across Austria. Over 250,000 cooling units p.a. are processed and recycled in compliance with environmental regulations in several working steps. In this respect, the main disposal step is the recovery of chlorofluorocarbons (FCC) which are used as coolants and are also contained in insulating foam. 200 tons of FCC have been recovered from cooling units and refrigerators since the plant was brought into service. The number of cooling units delivered to Timelkam has been constantly increasing over the past few years. 99 per cent of chlorofluorocarbons (FCC) harmful to the ozone layer are recovered within the frame of waste treatment, on average 283 grams per unit.

More information at: www.ave.at

Plant tour to MONTANWERKE BRIXLEGG AG, Brixlegg

09.00	Departure by bus to Montanwerke Brixlegg
11.00	Arrival at the Montanwerke Brixlegg
11.00 – 13.00	Visit of the copper smelter
15.00 *	Arrival at Salzburg Airport
15.30	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.

More information at: www.montanwerke-brixlegg.com

Plant tour to Müller-Guttenbrunn Group:

Metall Recycling Mü-Gu GmbH, Amstetten
Metran Rohstoff-Aufbereitungs GmbH, Kematen
MBA Polymers Kunststoffverarbeitung GmbH, Kematen

Your partner  means business
Müller-Guttenbrunn Group



08.00	Departure by bus to Amstetten/Kematen
10.00	Arrival at the above mentioned 3 companies
10.00 – 15.00	Visit of the shredder plant of Metall Recycling Mü-Gu GmbH Visit of the metal separation plant of Metran Visit of the plastic recycling plant of MBA Polymers
17.30 *	Arrival at Salzburg Airport
18.00	Arrival at the Salzburg Congress Centre

The Metall Recycling Mü-Gu GmbH in Amstetten de-pollutes the E-Waste in an environmentally friendly manner and each of the de-polluted fractions are disposed of in line with the E-Waste directive.

The selective shredder separates high quality ferrous metal scrap; most non ferrous metals are further extracted and concentrated by type of metal (copper, aluminium etc.) by the company Metran GmbH. Even metals < 1mm can thus be extracted and re-introduced into the recycling cycle.

Metran also creates a valuable plastics fraction, which is delivered to MBA Polymers for further processing.

MBA Polymers produces high grade plastics granulates, compounds and flakes from mixed plastic waste from mainly End-Of-Life Electronics and other durable 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 capacity of 40.000 tons per year.

The 60 highly qualified MBA Polymers Austria staff operates an automated high-tech recycling production process in 3 shifts. There are 3 individual production stages supervised by a constant quality assurance system.

More information at:
www.mueller-guttenbrunn.at
www.mbapolymers.at

Plant tour to S+S GmbH, Schönberg (Germany)

- | | |
|---------------|--|
| 08.00 | Departure by bus to S+S Separation and Sorting Technology |
| 11.00 | Arrival at S+S Separation and Sorting Technology |
| 11.00 – 13.30 | Introduction of S+S Sorting Technology, company tour and demonstration of S+S sorting machines in action in the S+S technical center |
| 17.00 * | Arrival at Salzburg Airport |
| 17.30 | Arrival at the Salzburg Congress Centre |



S+S Separation and Sorting Technology GmbH is one of the world leading manufacturer of sorting technology for the recycling industry. They can look back on more than 25 years of experience in developing, designing and manufacturing of high-tech sorting equipment.

More than 800 satisfied customers all over the world are using the latest detection technologies, like high-frequency metal detection, laser technology, optical sorting technology in visible und invisible wavelength areas as well as x-ray technology to upgrade postconsumer waste into valuable raw materials.

More information at: www.se-so-tec.com

*No guarantee on arrival time due to traffic conditions



“Meet your clients” Networking Dinner

On Wednesday, January 21, 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!





Exhibition

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 conference are:

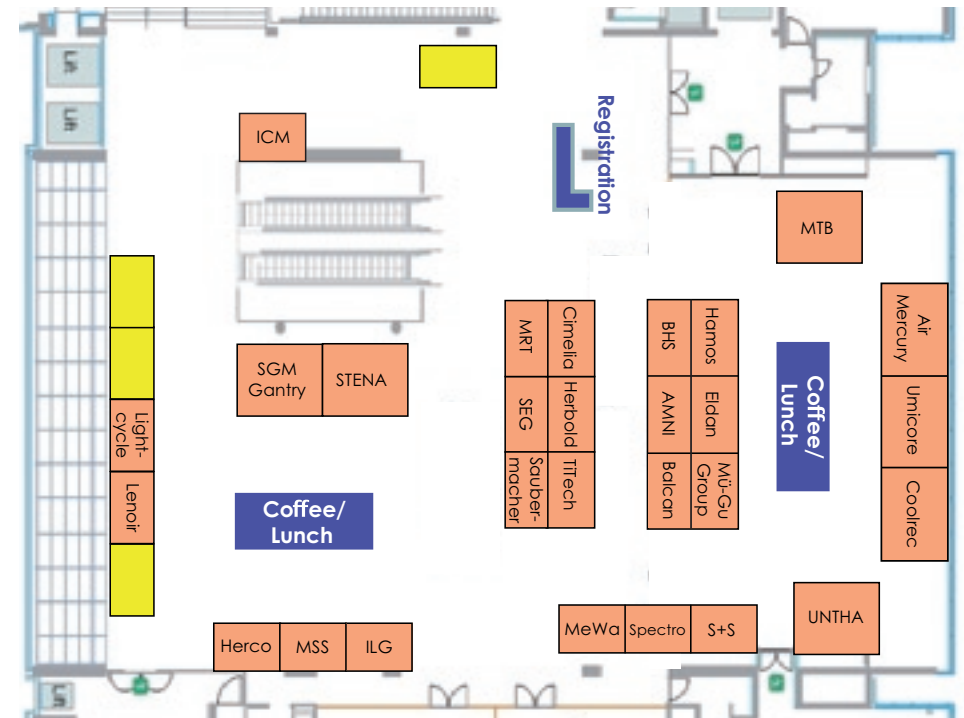
Booth 6 m² :
2 m x 3 m **EUR 3'000.-**

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 per October 1, 2008

- Air Mercury AG, Switzerland
- AMNI Maschinenbau GmbH, Germany
- Balcan Engineering Ltd., UK
- BHS-Sonthofen GmbH, Germany
- Cimelia Resource Recovery Pte. Ltd., Singapore
- Coolrec Group, Netherlands
- Eldan Recycling A/S, Denmark
- HAMOS GmbH, Germany
- Herbold Meckesheim GmbH, Germany
- Herco Kühltechnik GmbH, Germany
- ILG Industrie Lärmschutz GmbH, Germany
- LENOIR Magnetic Systems, France
- Lightcycle Retourlogistik und Service GmbH, Germany
- Müller-Guttenbrunn Group, Austria
- MeWa Recycling Maschinen und Anlagenbau GmbH, Germany
- MRT System International AB, Sweden
- MSS, Inc., USA
- MTB-Recycling, France
- S+S Separation and Sorting Technology GmbH, Germany
- Saubermacher Dienstleistungs AG, Austria
- SEG Umwelt-Service GmbH, Germany
- SGM Gantry, Belgium
- SPECTRO Analytical Instruments GmbH & Co. KG, Germany
- Stena Technoworld AB, Sweden
- TiTech GmbH, Germany
- Umicore Precious Metals Refining, Belgium
- UNTHA Recyclingtechnik GmbH, Germany

Who should attend?

- Original electronic equipment manufacturers (OEMs)
- Electronic components suppliers
- Electronic equipment importers and dealers
- Retailers
- Telecom and broadcasting companies
- Electric power generation companies
- Collection and transportation companies
- Recycling and dismantling companies
- Shredding companies
- Plastic industry
- Non ferrous metal industry
- Ferrous and stainless steel industry
- Financing organizations for electronics waste recycling
- Environmental authorities
- Universities and research institutes
- Laboratories for material science
- Consultants

Organizer of the IERC

ICM AG
International Congress & Marketing
Schwaderhof 524
5708 Birrwil, Switzerland

Phone +41 62 785 10 00
Fax +41 62 785 10 05
E-Mail info@icm.ch
Internet www.icm.ch



Jeanette Duttlinger
Congress Organizer



Susann Schmid
Congress Assistant



Claudia Gerstendörfer
Congress Assistant



Yvonne Steiner
Congress Assistant



Ying Liu
Congress Assistant

Registration Fees

Registration for the congress should be made by means of the registration form. Participants registering and paying **before November 30, 2008** will benefit from a reduced registration fee. The registration fee includes congress, entrance to the exhibition, proceedings and luncheons.

Congress Fee

	before Nov. 30, 2008	after Nov. 30, 2008
Fee for participants	€ 1'390.-	€ 1'490.-
Fee for speakers	€ 790.-	€ 890.-
Fee for students	€ 590.-	€ 690.-
Networking dinner (January 21, 2009)	€ 100.-	€ 110.-
Plant tours (January 23, 2009):		
– AVE Österreich GmbH/ SEG Umwelt-Service GmbH, Timelkam	€ 30.-	€ 50.-
– Montanwerke Brixlegg AG, Brixlegg	€ 30.-	€ 50.-
– Müller-Guttenbrunn Group (Mü-Gu, Metran and MBA), Amstetten/Kematen	€ 30.-	€ 50.-
– S+S Separation and Sorting Technology GmbH, Schönberg (Germany)	€ 30.-	€ 50.-

Accompanying Person (spouse)

Networking dinner for accompanying persons (January 21, 2009)	€ 110.-	€ 120.-
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All prices excl. Austrian VAT

Registration on site EUR 100.- surcharge

Additional Proceedings

If it is not possible for you to attend the congress, you may purchase the complete proceedings at EUR 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
Name of the bank:	Neue Aargauer Bank
Address of the bank:	5400 Baden, Switzerland
IBAN:	CH41 0588 1044 7941 7200 0
Clearing number:	5881
Swift code:	AHHBCH22XXX



AME SEG's partner
in Austria

The global leader

SEG is the global market leader with over twenty years of experience in the high-quality manufacturing of end-of-life refrigeration equipment. Through its use of high-performance and innovative technology coupled with strong business partnerships in local markets, SEG has set the benchmark in fridge recycling. **SEG and its partners: Committed to the Environment!**

SEG Umwelt-Service GmbH
Auf der Haardt 2 · D 66693 Mettlach
phone +49 (0) 6864 9103-0 · fax +49 (0) 6864 9103-33
info@seg-online.de · www.seg-online.de



Advanced recycling technology and innovative solutions yield high-purity secondary raw materials that can be reintroduced into the production cycle.



100%

RECYCLING



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 "BUX" well known worldwide.

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

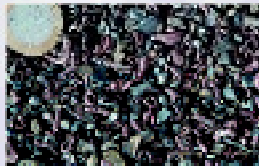
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BRIXLEGG

Your partner  means business

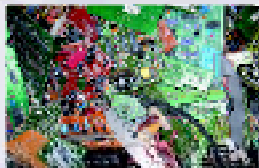
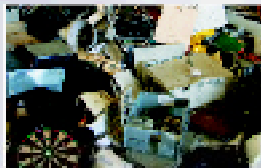
Müller-Guttenbrunn Group

We utilize raw materials from waste fractions
Your partner for e-waste, end-of-life vehicles and metals



use of the most modern
separation technologies

recovery of valuable resources
recycling of small scale metal
particles



environment-friendly removal
of harmful substances

partner of the Lower Austrian
Waste Management Associations

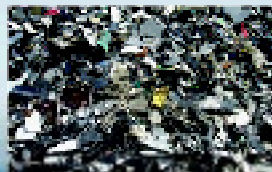
Müller-Guttenbrunn Group, Industriehof 12, A-3203 Arnoldsdorf, Austria
Tel: +43 7472 / 64 181, Fax: +43 7472 / 64 181-39, <http://www.mueller-guttenbrunn.at>, office@mueller-guttenbrunn.at



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 Kemeten, A-3231 Kemeten/Markt, Austria
Tel: +43 7476 77 400, Fax: +43 7476 77 401-44, <http://www.mba-polymers.at>, office@mba-polymers.at

Separation and sorting, systematically.
Complete solutions – standard and bespoke.

sorting purity.

For more than twenty years S+S has been one of the leading manufacturers of metal detection and contaminant separation systems, supplying individual machines and complete solutions. S+S offers a full range of equipment for contaminant separation – from basic sorting through to precision separation applications.

S+S separation and sorting systems will sort mixed streams into single fractions, playing a pivotal role in ensuring that highly pure recycled material can be profitably reprocessed in the production cycle. For example, in the glass recycling PET-, scrap- and e-scrap industries S+S systems achieve recycling rates approaching 100%.



**S+S Separation and
Sorting Technology GmbH**

**Metal-Separators
Color-Separators
Sorting-Systems**

Regener Straße 130
D-94513 Schönberg,
Germany

Tel. +49 8554 308-0
Fax +49 8554 2606
info@se-so-tec.com
www.se-so-tec.com

