

Setting standards



RUAG Components/Environment – The revolution continues

At RUAG Components/Environment we once again set standards in the field of industrial recycling. With our fully automated, industrial-scale refrigerator demanufacturing plant from SEG, manual handling is a thing of the past. And that applies to both the plant's waste input and raw-material output streams. Needless to say, we also comply with the most stringent quality standards in the fridge recycling sector.

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RUAG
Components

4th International Electronics Recycling Congress January 12 – 14, 2005 Basel, Switzerland



Patronage

Swiss Agency for the Environment, Forests and Landscape
European Committee of Manufacturers of Domestic Equipment (CECED)
European Electronics Recyclers Association (EERA)
WEEE Forum

Sponsored by:



Foreword of IERC 2005

Welcome to Switzerland!

In the past years the production of electronics and the waste management changed dramatically – managers had to cut costs and are confronted with several new laws and regulations worldwide. The national business changed to a worldwide business. For example: a mobile phone which is produced in USA is sold in Australia and recycled in Europe or China. The business from manufacturing to recycling became global.

It is a must for the parties involved to understand the upcoming worldwide regulations and to implement the new business situations into their strategy. It is very important for the industry to invest into the best products, evaluate the best production technologies located at the ideal place at the right time.

The keynote speakers from the European Commission and IBM will tell us their view and strategy for their sustainable business. Furthermore, there will be a round table "China – a new challenge for all of us ?"

Let's discuss this issue together with our Chinese friends and business people dealing with the Chinese market.

Plant tours are another key event of the conference. The organizer is offering 3 tours to different kind of recycling plants: an electronics, a cable and a battery recycling plant. Take a chance to have a look at one of the 3 very successful companies.

Don't forget, the conference takes place in January 12 – 14, 2005. It will be sunny and cold. But why not combining your visit to Switzerland with a weekend trip to the mountains? The organizer of the conference is ready to assist you.

Have a good time and see you in beautiful Switzerland.

Roger Burri
Chairman of the Steering Committee
International Electronics Recycling
Congress

Keynote Speakers



Timo MAKELA
European Commission
DG Environment
Director for Sustainable
Development and
Integration
Belgium



Victor DUART
IBM Europe/M East/Africa
Manager Environmental
Affairs & Product Safety
Spain

Steering Committee of the IERC 2005



Roger Burri, Chairman
Air Mercury AG
President
Switzerland



Dr. Viktor Haefeli
Ruag Components
Vice President
Switzerland



Prof. Takao Araki
University of Ehime
Japan



Theo Lehner
Boliden Mineral AB
Metallurgical Supervisor
Sweden



Manfred Beck
Recycling International
Magazine
Editor
Netherlands



Steve Skurnac
Noranda Recycling Inc.
CEO
USA



Dr. Michael B. Biddle
MBA Polymers, Inc.
CEO and President
USA



Prof. Ab Stevels
Philips Consumer Electronics
Senior Advisor
Netherlands



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



Dr. Mathias Tellenbach
Swiss Agency for the Environ.
Forests & Landscape
Deputy Head of the Waste
Management
Switzerland



Manfred Fahrner
R-plus Recycling GmbH
Manager European Business
Germany



Norbert Zonneveld
EMAS B.V.
Director
Netherlands



Filip Geerts
Recupel ICT
President
Belgium



Basel – an ideal and professional congress place

The 4th International Electronics Recycling Congress will be held in the **congress center in Basel** from 12 – 14 January 2005.

Congress Center Basel

Messeplatz 21
4005 Basel
Switzerland



Hotel Accommodation

For the participants of the congress a number of rooms are held **until December 10, 2004** at a special rate in the Swissôtel, Ramada and Novotel Basel (Dorint). 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.



Swissôtel Basel*****

Messeplatz 25, 4005 Basel, Switzerland
Phone: +41 61 555 33 33
Fax: +41 61 555 39 70
Internet: www.swissotel-basel.com

next to the congress center



Ramada Plaza Hotel****

Messeplatz 12, 4058 Basel, Switzerland
Phone: +41 61 560 40 00
Fax: +41 61 560 55 55
Internet: www.ramada-treff.ch

2 min. walking from the congress center



Novotel Basel (formerly Dorint)***

Schönaustr. 10, 4058 Basel, Switzerland
Phone: +41 61 695 70 00
Fax: +41 61 695 71 00
Internet: www.novotel.com

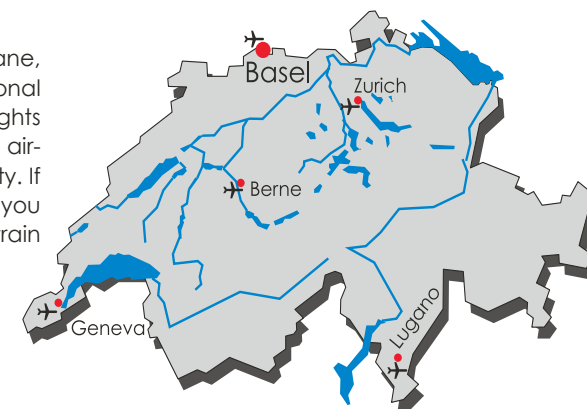
15 min. walking from the congress center

Travelling to Basel

You can easily reach Basel by plane, train and car. Basel has an international airport offering direct scheduled flights to many destinations in Europe. The airport is about 15 minutes from the city. If you are travelling from overseas, you can fly to Zurich and take a direct train to Basel.

Travelling time approx. 1¼ h.

www.sbb.ch/fahrplan



Congress Program IERC 2005

Wednesday, 12th January 2005

10.00 – 10.30 "Welcome and Introduction"
Roger Burri, Chairman of the Steering Committee

Session 1: Initiatives of producers I

KEYNOTE SPEAKERS:

10.30 – 11.00 **Timo MAKELA, European Commission, Belgium**

11.00 – 11.30 **Victor DUART, IBM Europe/Middle East/Africa**

11.30 – 12.00 "Japan PC take-back status and further action"
**Kazumi Nozawa, JEITA IT Recycle Expert Committee/
IBM Japan, Ltd., Japan**

12.00 – 13.30 **Lunch**

Session 2: Initiatives of producers II Session Chairman: **Filip Geerts, Recupel, Belgium**

13.30 – 14.00 "Challenge of implementing WEEE within Alcatel"
Hélène Fauve, Alcatel, France

14.00 – 14.30 "New industrial recovery processes for LCDs – an example for sustainability"
Dr. Roland Martin, Merck KGaA, Germany

14.30 – 15.00 "Producers responsibility: How to deal with unclear definitions and interpretations of the WEEE and RoHS Directives"
Jan-Willem Scheijgrond, EICTA, Belgium

15.00 – 15.30 **Coffee Break**

15.30 – 16.00 "A major focus for implementing take-back systems for WEEE"
Thor Christian Wiik Svendsen, WEEE Forum, Sweden

16.00 – 16.30 "Information to the dismantlers: How the car industry solved this issue"
Julien Van Damme, Honda Motor Europe Ltd., Belgium

16.30 – 17.00 "Implementing green procurement and green R&D policies in NTT"
**Dr. Yukitoshi Takeshita, Nippon Telegraph and Telephone Corp.,
(NTT Information Sharing Laboratory Group), Japan**

19.00 **Networking Dinner**

Thursday, 13th January 2005

Session 3: Recycling and logistics solutions I Session Chairman: **Norbert Zonneveld, EMAS, Netherlands**

09.00 – 09.30 "Challenges of the WEEE for the recycling industry"
Nico Krukenberg, RETHMANN Elektrorecycling, Germany

09.30 – 10.00 "Automatic and industrial sorting for WEE thermoplastics at Galloo Plastics SA / Halluin plant"
Hugues de Feraudy, Galloo Plastics SA, France

10.00 – 10.30 "WEEE – a solution without boundaries"
Graham Davy, Sims Group UK Ltd., UK

10.30 – 11.00 **Coffee Break**

Session 4: Recycling and logistics solutions II Session Chairman: **Theo Lehner, Boliden, Sweden**

11.00 – 11.30 "WEEE recycling, towards a fair level-playing field"
Manfred Fahrner, European Electronics Recyclers Association (EERA), Netherlands

11.30 – 12.00 "Material flows of electronic scrap in an advanced recycling plant"
Dr. Leo Morf, GEO Partner Umweltmanagement AG, Switzerland

12.00 – 12.30 "Efficient waste management in focus of a logistic provider"
Thomas Kistner, DHL Solutions GmbH, Germany

12.30 – 14.00 **Lunch**

Session 5: Recycling and logistics solutions III Session Chairman: **Dr. Mathias Tellenbach, Swiss EPA, Switzerland**

14.00 – 14.30 "An example of a recycling system based on compulsory take-back and voluntary financing"
Dr. Robert Hediger, S.EN.S-OnlineSystem, Switzerland

14.30 – 15.00 "Mining plastics from EOL electronics on a global scale"
Dr. Mike Biddle, MBA Polymers, Inc., USA

15.00 – 15.30 "Individual product identification by RFD technology – an approach to organize the WEEE obligations"
Christian Schneiders, Technical University Berlin, Germany

15.30 – 16.00 **Coffee Break**

Round Table Discussion / Opening Speaker

16.00 – 16.30 "Current state and development prospect of disposition of electronic and electric waste in China"
Song Jiang, China Nonferrous Metal Industry Resource Regenerating Co., China

Round Table Discussion

Title: "China – a new challenge for all of us?"
Moderator: **Dr. Mike Biddle, MBA Polymers, Inc., USA**

Friday, 14th January 2005

Technical visits

Every participant may choose one of the following tours:

Tour CABLOFER, Bex

08.30	Departure by bus from the congress center to CABLOFER
11.00	Arrival at CABLOFER
11.15 – 13.30	Visit of the cable recycling plant
16.30	Arrival at the airport Basel
17.00	Arrival at the hotels (Swissôtel, Ramada, Novotel)



CABLOFER is located close to the beautiful lake of Geneva and the gorgeous mountains of the Valais. Since many decades CABLOFER is the leading cable recycling company in Switzerland. The plant also recycles all kind of electronics such as telephones, electrical switches, electronic parts and printed circuit plates. CABLOFER is able to produce best qualities of metals and plastics out of these fractions using the best available technologies and equipments.

More information at: www.cablofer.ch

Tour BATREC, Wimmis

09.00	Departure by bus from the congress center to BATREC
11.00	Arrival at BATREC
11.15 – 13.15	Visit of the battery recycling plant
15.30	Arrival at the airport Basel
16.00	Arrival at the hotels (Swissôtel, Ramada, Novotel)



BATREC is the only battery recycling plant in Switzerland, located in Wimmis in the Bernese Oberland close to Eiger-Mönch-Jungfrau. The plant recycles used household batteries, Li-batteries, mercury contaminated waste and heavy metal containing electronics components. It is the worlds first induction heated smelting furnace for batteries and other hazardous metal containing waste and has a capacity of 5000 tons per year.

More information at: www.batrec.ch

Tour RUAG, Altdorf

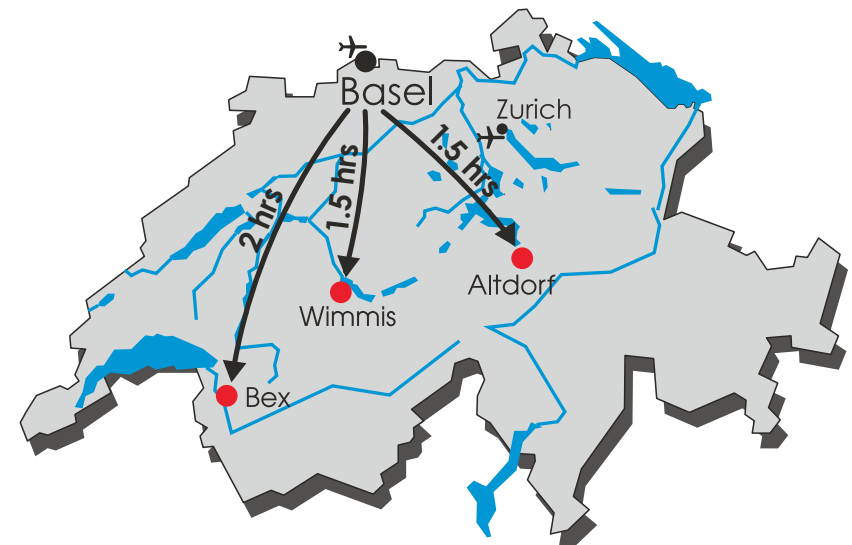
09.30	Departure by bus from the congress center to RUAG
11.00	Arrival at RUAG
11.15 – 13.15	Visit of the electronics recycling plant
15.00	Arrival at the airport Basel
15.30	Arrival at the hotels (Swissôtel, Ramada, Novotel)



Components

RUAG Components/Environment is one of the leading electronics recycling plant located in Altdorf at the beautiful lake of Lucerne with its fantastic city of Lucerne. RUAG recycles used refrigerators and electronics waste using the most advanced shredding and sorting technologies.

More information at: www.ruag.com



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

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5630 Muri, Switzerland

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Jeanette Duttlinger
Congress Organizer



Veronica Ying Liu
Congress Assistant



Erika Noé
Congress Assistant



Sandra Ammann
Congress Assistant



Petra Fiorentin
Congress Assistant

“Meet your clients” Networking Dinner

On Wednesday, January 12, a special networking dinner will be organized in beautiful Basel.

Don't miss this perfect possibility to meet your business partners and register to this evening by means of the registration form.



Exhibition

A special exhibition will be organized for companies wishing to display their products or advertising materials.

The fee for an exhibition stand (2 m x 3 m) is EUR 2'500.- for the full time of the conference.

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



Registration Fees

Registration for the congress should be made by means of the registration form.

Congress Fee	before November 12, 2004	after November 12, 2004
Fee for participants	€ 1'250.-	€ 1'390.-
Fee for speakers	€ 690.-	€ 790.-
Fee for students	€ 490.-	€ 590.-
Networking dinner (January 12, 2005)	€ 90.-	€ 100.-
Visit to CABLOFER (January 14, 2005)	€ 30.-	€ 50.-
Visit to BATREC (January 14, 2005)	€ 30.-	€ 50.-
Visit to RUAG (January 14, 2005)	€ 30.-	€ 50.-
Networking dinner for accompanying persons (January 12, 2005)	€ 100.-	€ 110.-

All prices excluding VAT of 7,6%

Additional Proceedings

If it is not possible for you to attend the congress, you can purchase the complete proceedings at EUR 340.-. 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:

Bank: Neue Aargauer Bank, 5300 Turgi, Switzerland
Beneficiary: ICM AG
Account number: 447941-72
IBAN: CH73 0588 5044 7941 7200 0
Clearing number: 5885
Swift code: CRESCHZZ 80A in favour of AHHBCH22XXX

Beautiful Switzerland

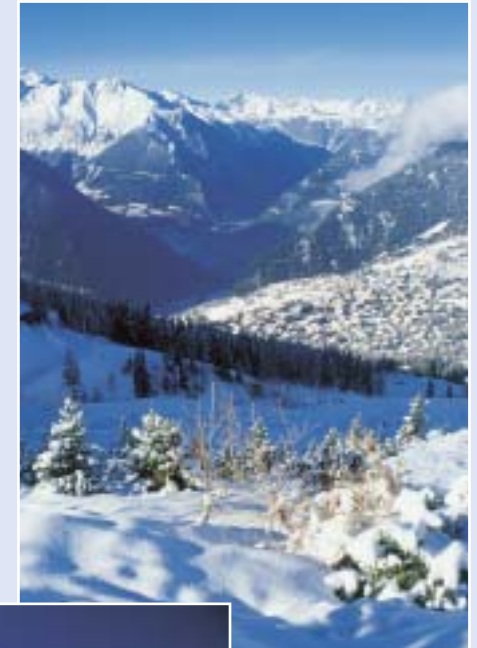
Why not extend your stay in Switzerland for skiing, snowboarding or hiking in the beautiful mountain nearby?

ICM will offer the participants of the congress the possibility to prolong the weekend in the ski resort Verbier.

The famous ski resort area offers a wide range of slopes of different levels. Verbier is a 2 1/2 hours drive from Basel.

Have a look at www.verbier.ch and see, how marvellous it is.

Are you interested? Just contact us at info@icm.ch



© Verbier/Bagnes Tourisme

Cablofer Bex SA is the leader within Switzerland in the field of recycling and recovery of ferrous and nonferrous materials. High financial investments have been made to create new mechanical sorting technologies and systems. The recycled products like all kind of metals and non metals are



highly valuable and ready for economical reuse in the industry.

30 years of experience, a close collaboration with the clients and highest performance of the technical equipment and logistics are the keys of the company success.



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cablofer@cablofer.ch

Recycling of

Household batteries

Unsorted batteries
Non mercury free batteries
Button cells

Lithium batteries

Lithium primary cells
Lithium secondary cells

Mercury contaminated waste

Activated carbon
Sludges and slurries
Amalgams
Mercury waste



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