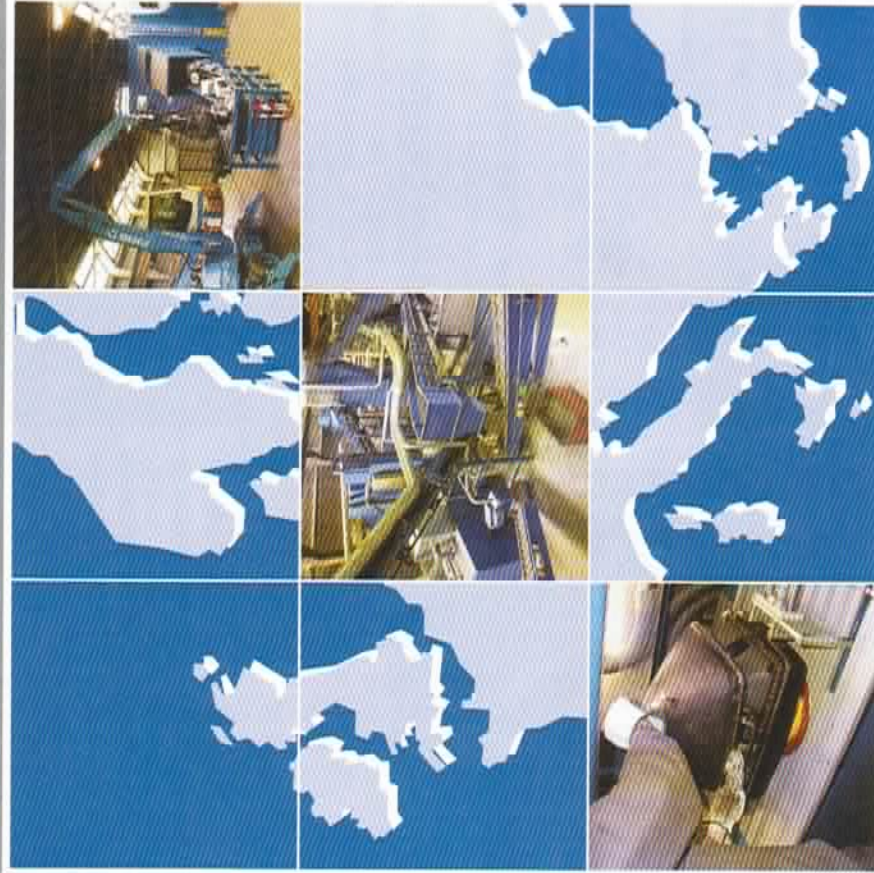


From waste to raw material



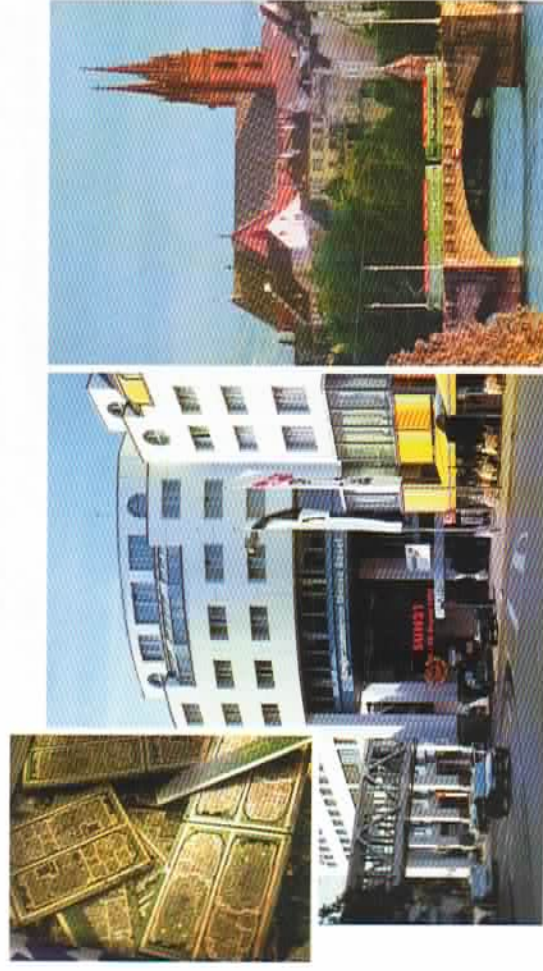
RUAG Components/Environment revolutionises the recycling of electric and electronic devices. Thanks to the highly sophisticated QZ technology we reach all the demanded standards such as the Swiss regulations and the WEEE. The high automation level, the mechanical dismantling and the excellent quality of the output fractions reduce the costs consequently. Our new semi-automatic separation of CRT glasses makes it possible to directly reuse the pure glass fractions in the CRT industry. RUAG Components/Environment for a recycling that pays off – already for several well-known international companies. And for you?

RUAG Components
Environment Division
Industriezone Schächenwald
CH-6460 Altidorf

Tel. +41 418 757 465
Fax +41 418 757 594
environment@ruag.com
www.ruag.com

RUAG
Components

3rd International Electronics Recycling Congress January 14 – 16, 2004 Basel, Switzerland



Patronage

Swiss Agency for the Environment, Forests and Landscape
Department of Civil Services and Environment
of the Canton Basel-Stadt

Sponsored by:



Foreword of the IERC 2004

Welcome in Basel!

From 14 - 16 January 2004 the leading experts in the field of electronics manufacturing and recycling will meet and discuss about the OEM activities in electronic and electrical equipments in the recycling and the latest developments in the recycling industry.

This congress will also focus on country reports, implementations of laws and take-back systems.

Furthermore, there will be a round table discussion about the major challenge of the WEEE recycling industry: "Plastics: How can we get the best out of it?"

Representatives of OEMs, the industry, the authorities and politics may discuss and exchange their views in order to set up efficient and profitable recycling systems.

Looking forward to meet you at this excellent conference!

Roger Burri

Chairman of the Steering Committee International Electronics Recycling Congress

Key-Note Speakers



David Grant Lawrence
European Commission
Director, DG Environment
Belgium



Ab Stevels
Philips Consumer Electronics
Senior Advisor
Netherlands



Guy Ethier
Umicore
Vice President
of Environment
Health & Safety
Belgium

Steering Committee of the IERC 2004



Roger Burri, Chairman
Air Mercury AG
President
Switzerland



Prof. Takao Araki
University of Ehime
Japan



Manfred Beck
Recycling International
Magazine
Editor
Netherlands



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



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



Manfred Fahrner
R-plus Recycling GmbH
Manager European Business
Germany



Filip Geerts
Recupel ICT
President
Belgium



Dr. Viktor Haefeli
Ruag Components
Vice President
Switzerland



Theo Lehner
Boliden Mineral AB
Metallurgical Supervisor
Sweden



Prof. Oliver Lindqvist
Chalmers University of
Technology
Dep. of Inorganic Chemistry
Sweden



Steve Skurnac
Noranda Recycling Inc.
CEO
USA



Prof. Ab Stevels
Philips Consumer Electronics
Senior Advisor
Netherlands



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



Norbert Zonneveld
EMAS B.V.
Director
Netherlands



Basel – an ideal and professional congress place

The International Electronics Recycling Congress will be held in the congress center in Basel from 14 – 16 January 2004.

Congress Center Basel
 Messeplatz 21
 4021 Basel
 Switzerland



Hotel Accommodation

For the participants of the congress a number of rooms are held **until December 12, 2003** at a special rate in the Swissôtel and Dorint Hotel. 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
 4021 Basel
 Switzerland
 Phone: +41 61 555 3333
 Fax: +41 61 555 3970
 E-mail: emailus.basel@swissotel.com
 Internet: www.swissotel-basel.com



Dorint Basel***

Schönaustrasse 10
 4058 Basel
 Switzerland
 Phone: +41 61 695 7000
 Fax: +41 61 695 7100
 E-mail: info.BASBAS@dorint.com
 Internet: www.dorint.de/basel

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. 1 1/4 h.

www.sbb.ch/pv/index_d.htm



Congress Program IERC 2004

Wednesday, 14th January 2004

- 13.00 – 13.10 "Welcome and Introduction"
Roger Burri, Chairman of the Steering Committee
- Session 1:**
OEM activities in WEEE recycling I
- 13.10 – 14.00 **KEY-NOTE SPEAKERS:**
Guy Ethier, Umicore, Belgium
Ab Stevels, Philips Consumer Electronics, Netherlands
"Take-back systems and recycling in the white goods sector"
Peter Böhm, BSH Bosch und Siemens Hausgeräte GmbH, Germany
- 14.30 – 15.00 "Environmental regulations for IT equipment in Japan and its relevant activities in JEITA"
Takao Sato, JEITA IT Recycle Expert Committee WG4/Ricoh Company Ltd., Japan
- 15.00 – 15.30 **Coffee Break**
- Session 2:**
OEM activities in WEEE recycling II
- Session Chairman: Filip Geerts, Recupel, Belgium**
- 15.30 – 16.00 "WEEE implementation: coping with diverging national legislation / schemes"
Victor Duart, IBM Europe/ M East/ Africa
- 16.00 – 16.30 "Are quota provisions in our waste directives really helpful? A car manufacturer's contribution to the discussion"
Dr. Siegfried Schäper, Audi AG, Germany
- 16.30 – 17.00 "Designing for the WEEE and RoHS Directive"
Jan-Willem Scheijgrond, EPSON Europe B.V., Netherlands
- 17.00 – 17.30 "Implementation of WEEE from the perspective of a Korean company"
Gregor Margetson, Samsung, United Kingdom
- 19.00 **Networking Dinner**

Thursday, 15th January 2004

- Session 3:**
New developments in the recycling industry I
- Session Chairman: Theo Lehner, Boliden, Sweden**
- 09.00 – 09.30 "Status on WEEE process"
Phår Oscår, Stena Technoworld AB, Sweden
- 09.30 – 10.00 "One year experience with mechanical dismantling of electric & electronic appliances at RUAG"
Dr. Viktor Haefeli, RUAG Components, Switzerland
- 10.00 – 10.30 "Quality Assurance in fridge recycling on the basis of the RAL GZ728"
Hans-Peter Walter, RAL Quality Assurance Association, Germany
- 10.30 – 11.00 **Coffee Break**
- Session 4:**
Legislation and country reports
- Session Chairman: Mike Biddle, MBA Polymers, Inc., USA**
- 11.00 – 11.30 "International reporting requirements for WEEE and RoHS: Case studies and tools for implementing"
Victor A. Bell, Environmental Packaging International (EPI), USA
- 11.30 – 12.00 "The UK's approach to implementing the WEEE Directive"
Mark Downs, Dept. of Trade & Industry, United Kingdom
- 12.00 – 12.30 "Compulsory take-back and voluntary financing systems for WEEE recycling in Switzerland"
Dr. Mathias Tellenbach, Swiss Agency for the Environment, Forests and Landscape (SAEFL), Switzerland
- 12.30 – 14.00 **Lunch**
- 14.00 – 14.30 **KEY-NOTE SPEAKER:**
David Grant Lawrence, European Commission, Belgium
- 14.30 – 15.00 "North American update"
Steve Skurnac, Noranda Recycling Inc., USA
- 15.00 – 15.30 "A new approach for the organization and control of the take-back obligations"
Hartmut Theusner, Electrical Appliance Register (EAR), Germany
- 15.30 – 16.00 **Coffee Break**
- 16.00 – 17.00 **Round Table Discussion**
Title: "Plastics: How can we get the best out of it?"
Moderator: Norbert Zonneveld, EMAS B.V., Netherlands

Friday, 16th January 2004

Session 5:

Session Chairman: Manfred Beck, Recycling International, Netherlands

08.30 – 09.00 "Recovery of valuable metals from wasted secondary batteries"

Yasuhiro Tsugita, Metal Mining Agency of Japan, Japan

09.00 – 09.30 "Eco-efficient recyclability improvement of the mobile phones"

Hong-Yoon Kang, LG Electronics Inc., Korea

09.30 – 10.00 "Quality recycling costs money"

Jan Visser, Coolrec, Netherlands

10.00 – 10.30

"European WEEE Directive – European business"

Manfred Fahrner, Valdelec, France

11.00 – 11.30 "Recycling of cathode ray picture tubes in a world wide closed cycle"

Thomas G. Oberle, SCHOTT Glas, Germany

11.30 – 12.00 "Developments in setting up take-back and recycling in the USA"

Wayne Rifer, Rifer Environmental, USA

Visit to the electronics recycling plant of RUAG

12.30 Departure by bus to RUAG (lunch in the bus)

14.00 Arrival at RUAG in Altdorf

14.00 – 15.45 Visit of the electronics recycling plant

17.45 Arrival at the airport Basel

18.00 Arrival at the Swissôtel & Dorint

Who should attend?

- Original electronic equipment manufacturers (OEMs)
- Electronic components suppliers
- Electronic equipment importers and dealers
- Retailers
- 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

Luzernerstrasse 91, 5630 Muri, Switzerland

Phone: +41 56 664 72 50

Fax: +41 56 664 72 52

E-mail: info@icm.ch

Internet: www.icm.ch



Jeanette Duttlinger
Congress Organizer



Erika Noé
Congress Assistant



Petra Florentin
Congress Assistant



Virginia Keller
Congress Assistant



Networking Dinner

On Wednesday, January 14, a special networking dinner will be organized in the beautiful heart of the old town of Basel.

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



Beautiful Switzerland

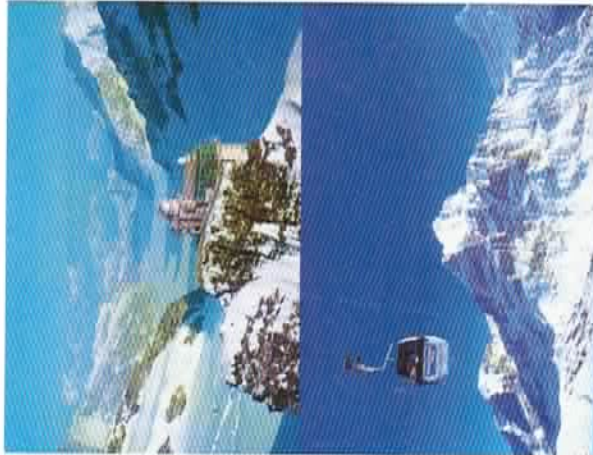
Why not extend your stay in Switzerland for skiing or hiking in the beautiful mountains nearby?

The famous ski resort area Eiger-Jungfrau (Grindelwald/Interlaken) is only a 2 hours drive from Basel.

Have a look at www.jungfrau.com and see, how marvellous it is.

We will organize for the participants of the congress a weekend in Grindelwald (www.grindelwald.com).

If you are interested, just contact us at info@icm.ch.



Registration Fees

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

	before November 14, 2003	after November 14, 2003
Congress Fee		
Fee for participants	€ 1'150.-	€ 1'300.-
Fee for speakers	€ 690.-	€ 790.-
Fee for students	€ 390.-	€ 450.-
Networking dinner (January 14, 2004)	€ 90.-	€ 100.-
Visit to RUAG (January 16, 2004)	€ 30.-	€ 50.-
Networking dinner for accompanying persons (January 14, 2004)	€ 100.-	€ 100.-

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 no.: 447941-72, Swift code: CRESCHZ 80A in favour of: AHHBCH 22

IBAN no.: CH73 0588 5044 7941 7200 0

Clearing: 5885

Remark: International Electronics Recycling Congress

Exhibition

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

The fee for a typical exhibition stand (1.5 m x 3 m) is EUR 3'000.- for the full time of the conference.

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