

International Electronics Recycling Congress
January 13 – 15, 2003
Basel, Switzerland



Patronage

Federal Office of Environment, Forests and Landscape,
Switzerland

Sponsored by:

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Foreword

Welcome to Basel – the hometown of the Basel Convention!

In the name of the Steering Committee, I would like to welcome you to the 2nd International Electronics Recycling Congress. The congress takes place from 13 – 15 January 2003 in the convention center of Basel, right in the heart of the town.

The implementation of the new European "WEEE-Directive" will create one of the greatest impacts on the recycling industry worldwide ever seen. Once the Directive is implemented, we shall face up to 6 to 8 million tons of electronic waste in Europe every year. Million tons of plastics, hundred thousand tons of hazardous glass and million 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 plastic and the metal industry?

One thing is for sure, those companies and parties who are involved and who make the wrong or the right decisions too late, will suffer in future.

"This means, that the industry must make the right decisions today in order to be competitive in tomorrow's market".

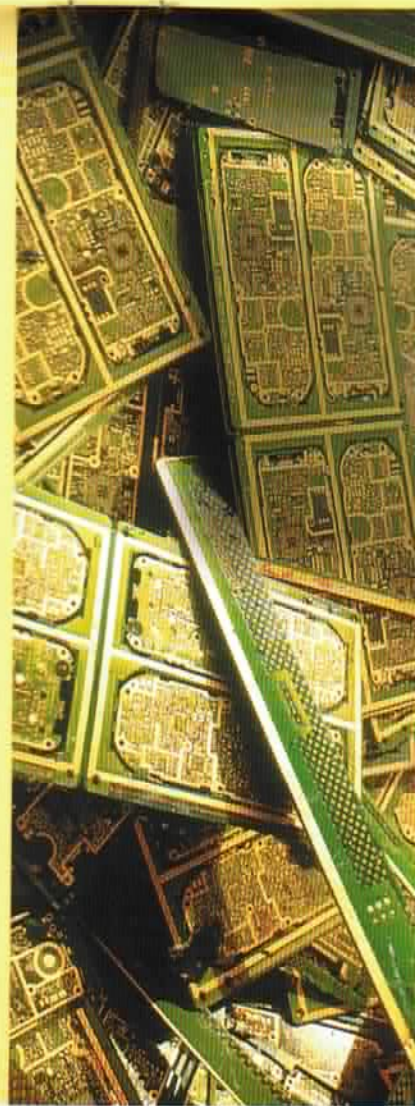
Remember the words of Mr Karl-Heinz Florenz from the European Parliament during the last congress: "The WEEE-Directive shall be implemented by the European Union Member States by mid 2004".

We are very honored that the congress is also under the patronage of the Federal Office of Environment, Forests and Landscape of Switzerland.

See you in charming and historical Basel.

Roger Burri

Chairman of the Steering Committee
International Electronics Recycling
Congress



Steering Committee of the IERC 2003



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. Bidle
CEO and President
MBA Polymers, Inc.
USA



Manfred Fahrner
R-plus Recycling GmbH
Manager European Business
Germany



Filip Geerts
Recupel ICT
President
Belgium



Dr. Viktor Haefeli
Ruag Components
Vice President
Switzerland



Dr. Theo Lehner
Boliden Mineral AB
Metallurgical Supervisor
Sweden



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



Prof. Ab Stevels
Philips Consumer Electronics
Senior Advisor
Netherlands



Norbert Zonneveld
MIREC B.V.
Managing Director
Netherlands



Basel – an ideal and professional Congress Place

The International Electronics Recycling Congress will be held in the Congress Center in Basel from 13 – 15 January, 2003.

Congress Center Basel
Messeplatz 21
4021 Basel
Switzerland



Hotel Accommodation

For the participants of the congress a number of rooms are held until December 13, 2002 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*****

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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 2003

Monday, 13th January 2003

13.00 - 13.10

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

Session:

Legislation, Implementation & Country Reports I
Session Chairman: **Norbert Zonneveld, MIREC B.V., Netherlands**

13.10 - 14.00

KEY-NOTE SPEAKERS:
Karl-Heinz Florenz, Member of the European Parliament
Coordinator of the European People's Party for the Committee on the Environment, Public Health and Consumer Policy
Jim Puckett, Basel Action Network (BAN), USA

14.00 - 14.30

"Success factors and actual results of take back systems in Europe"
WEEE Executing Forum: Willem Canneman, NVMP, Netherlands & Filip Geerts, Recupel ICT, Belgium

14.30 - 15.00

"Results of a National Survey of Government sponsored electronics recycling program in the US"
Lynn Rubinstein, Northeast Recycling Council, Inc., USA

15.00 - 15.30

Coffee Break
Legislation, Implementation & Country Reports II
Session Chairman: **Dr. Viktor Haefeli, RUAG Components, Switzerland**

15.30 - 16.00

"Current state of consumer electronic waste recycling in Japan"
Prof. Takao Araki, Ehime University, Japan

16.00 - 16.30

"Is the WEEE Directive eco-efficient?"
Prof. Ab Stevels, Philips Consumer Electronics ECC, Netherlands

16.30 - 17.00

"Germany's approach to implementing the WEEE Directive"
Anette van Dillen, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany

17.00 - 17.30

"WEEE recycling today and tomorrow - a recyclers perspective"
Manfred Fahrner, R-plus, Germany

19.00

Networking Dinner

Tuesday, 14th January 2003

Session:

Session Chairman: **Prof. Oliver Lindqvist, Chalmers University of Technology, Sweden**
09.00 - 09.30
"E-recycling in BeNeLux: How do we define our recycling quotas?"
Mark Adriaenssens, Apparec, Belgium

09.30 - 10.00

"Regio Plast - regional network for recovery of plastics"
Bernd P. Schwald, Fraunhofer Institute IPA, Germany

10.00 - 10.30

"E-recycling: a precious metals (PM) recycler's view"
Guierine Wesseldijk, Umicore, Belgium

10.30 - 11.00

"Design with steel for an easy and cost effective recycling of appliances: Case study on a washing machine and refrigerator"
Jean-Pierre Birat, Arcelor, France

11.00 - 11.30

Coffee Break

Session:

Session Chairman: **Manfred Fahrner, R-plus, Germany**
11.30 - 12.00
"Automatic separation devices in mechanical recycling processes"
Tobias Schäfer, Aachen University of Technology, Germany
Eric van Looy, SSE Separation Systems Engineering GmbH, Germany
12.00 - 12.30
"Collection & recycling of old electronics and electrical appliances"
Pascal Lermecchin, Triade Electronique, France

12.30 - 13.00

"Recycling of plastics generated from electronics recycling systems around the world"
Dr. Mike Biddle, MBA Polymers, Inc., USA

13.00 - 14.30

Lunch

Session:

Session Chairman: **Dr. Theo Lehner, Boliden Mineral AB, Sweden**
14.30 - 15.00

"Agfa's eco-design, recycling passports (RP) and equipment information sheets (EIS)"
Georg Karl & Dr. Joachim Crone, Agfa, Germany

15.00 - 15.30

"Disassembly of mobile phones with induction heating"
Roope Takala, Nokia/Eco Electronics, Finland

15.30 - 16.00

"Methods to improve the recyclability of E/E products - fulfillment of the WEEE criteria"
Dr. Sven Grieger, MIREC, Germany

16.00 - 16.30

Coffee Break

16.30 - 18.00

Round Table Discussion

1. Are the WEEE recycling and recovery quotas realistic?
2. Does the design for recycling solve our problems in the future?

Wednesday, 15th January 2003

- Session:
Session Chairman: **Collection Schemes, Take Back & Financing I**
Filip Geerts, Recupel ICT, Belgium
08.30 – 09.00
"Recycling of EEE's in Portugal. Doing it all in one plant"
Bruno Vidal, Interecycling-Sociedade de Reciclagem, S.A., Portugal
- 09.00 – 09.30
"Three years experience with electronics recycling in the Netherlands"
Anneje Huizinga, ICT Milieu, Netherlands
- 09.30 – 10.00
"Financing the collection of spent rechargeable batteries incorporated in WEEE"
Dr. Jean-Pol Wiaux, Collect NiCad, Belgium
- 10.00 – 10.30
"Overview of the WEEE in Spain"
Luis Irsarri, Indumetal, Spain
- 10.30 – 11.00
Coffee Break
- Session:
Session Chairman: **Collection Schemes, Take Back & Financing II**
Ab Stevels, Philips Consumer Electronics ECC, Netherlands
11.00 – 11.30
"The implementation of the WEEE Directive in the Nordic countries"
Joakim Skothheim, Electrolux, Sweden
- 11.30 – 12.00
"Take back and recycling from the perspective of a multinational company involved in the CE, IT and communication business"
Dr. Lutz Scheidt, Sony, Germany
- 12.00 – 12.30
"Take back of printer supplies,... lessons to be learned for implementing WEEE"
Klaus Hieronymi, Hewlett-Packard Europe
- 12.30 – 13.00
"Case study of product take back in USA"
Susan McKeever, Philips Electronics North America Corp., USA
- 13.00 – 14.00
Buffet Lunch

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 electronic waste recycling
- Environmental authorities
- Universities and research institutes
- Laboratories for material science
- Consultants

Organizer of the IERC

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Jeanette Durtlinger
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Nicole Erni
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Networking Dinner

On Monday, 13 January 2003 a special networking dinner will be organised in a typical guild house "Safran Zunift" (Saffron Guild).

The Safran Zunift is located right in the middle of the town Basel. This place is famous for the "Basler Fasnacht" events during carnaval.

Beside the delicious and traditional dinner, there is music, fun and a lot of "Fasnächter" meet in the "Bierschwemme" to have a cold beer.

We invite all participants and the accompanying persons to register to this typical "Basler evening" by means of the registration form.

Don't miss this unforgettable evening!



Basel and its Culture

Basel, Switzerland's oldest university city, is a cultural experience. Over 30 museums, headed by the world-famous Museum of Fine Arts (Kunstmuseum), the recently opened Beyeler Foundation and the new Tinguely Museum await your visit.

www.basel tourismus.ch

Registration Fees

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

Congress Fee	before November 15, 2002	after November 15, 2002
Participants	€ 1'150.-	€ 1'300.-
Speakers	€ 690.-	€ 790.-
Students	€ 390.-	€ 450.-
Networking Dinner	€ 90.-	€ 90.-

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 EURO 335.-. 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: CRESCHZZ 80A in favour of: AHHBCH 22
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 EURO 3'000.- for the full time of the conference.

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