



Discover brilliant prospects.

Discover NA.

As Europe's leading copper producer and recycler, NA creates added value for its electronic scrap customers.

Our processes comply with the highest environmental protection, health and safety standards.

Our state-of-the-art sampling and assaying procedures enable us to derive the maximum value from electronic scrap materials for our customers.

We cooperate with our customers on an individual basis to provide worldwide purchasing of materials and flexible price fixing and financing, as well as notification and logistics services.

NA is your reliable partner for precious metals recovery and the answer to your electronic scrap recycling requirements.

For further information, please visit our website: www.na-ag.com

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s.fuchs@na-ag.com



5th International Electronics Recycling Congress

January 18 – 20, 2006
Hamburg, Germany



Patronage

European Electronics Recyclers Association (EERA)

European Committee of Domestic Equipment Manufacturers (CECED)

WEEE Forum

ORGALIME

Sponsored by:



Foreword of IERC 2006

Welcome to Hamburg!

Let's celebrate the 5th IERC! After 4 very successful congresses in Davos and Basel, the Steering Committee decided to move further north – to Hamburg.

With 1.7 million inhabitants, the Hanseatic City of Hamburg is the second largest city in Germany and one of the 16 federal states of the Federal Republic of Germany. Hamburg is both a city and a state. The port of Hamburg is the central hub for trade with Eastern and Northern Europe. As a container port, Hamburg takes second place in Europe and seventh place in the world. It is 120 km from the sea, but can nevertheless take the largest container ships in the world.

Hamburg offers a wide range of activities: the Kunsthalle Art Museum, the State Opera and a lot of music clubs on the Reeperbahn.

"WEEE goes global" – is that possible? From a "shipment" point of view, there is

no problem. There might be some legal handicaps to move WEEE around the globe. At the congress we are going to discuss this very important topic.

One thing is for sure, Asian countries are importing big volumes of ferrous and non ferrous scraps and plastics out of the WEEE recycling streams. As soon as these countries are going to adopt a high level recycling scheme, probably they are also importing WEEE directly from all over the world. It is very important for the industry to keep an eye on such trends in order to make the right decisions for future investments.

We are looking forward to meet you in beautiful Hamburg.

Roger Burri

Chairman of the Steering Committee
International Electronics Recycling
Congress

Keynote Speakers



Dr. Werner Marnette

Norddeutsche Affinerie AG
Chairman of the Board
Germany



Jan Johansson

Boliden AB
President and CEO
Sweden



Hiroyuki Furukawa

Panasonic Europe Ltd.
General Manager
ENE EcologyNet Europe
GmbH
Managing Director
Germany

Steering Committee of the IERC 2006



Roger Burri

Chairman
Air Mercury AG
President
Switzerland



Norbert Zonneveld

Vice Chairman
EMAS B.V.
Director
Netherlands



Prof. Ab Stevels **Chairman of the Scientific Committee**

Philips Consumer Electronics
Senior Advisor
Netherlands



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



H el ene Fauve-Buresi

Alcatel
Manager, Environment
France



Filip Geerts

Recupel ICT
President
Belgium



Dr. Viktor Haefeli

RUAG Components
CEO
Switzerland



Prof. Theo Lehner

Boliden Mineral AB
Metallurgical Supervisor
Sweden



Steve Skurnac

Noranda Recycling Inc.
CEO
USA



Dr. Mathias Tellenbach

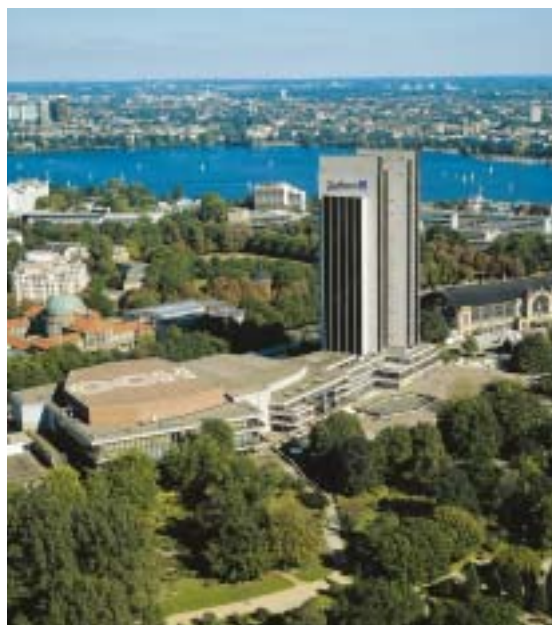
Swiss Agency for the Environ.
Forests & Landscape
Deputy Head of the Waste
Management
Switzerland



Hamburg – an ideal and professional congress place

The 5th International Electronics Recycling Congress (IERC 2006) will be held in the **congress center in Hamburg from 18–20 January 2006.**

CCH Congress Center Hamburg
Am Dammtor / Marseiller Strasse 2
20355 Hamburg
Germany

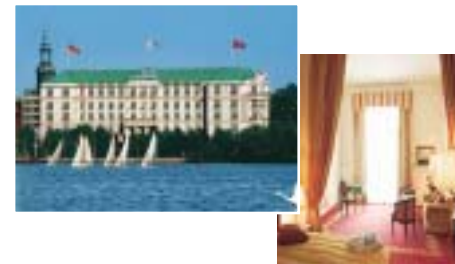


Hotel Accommodation

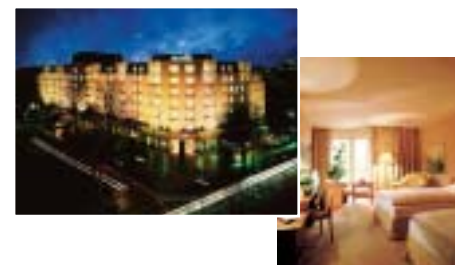
For the participants of the congress a number of rooms are held **until December 10, 2005** at a special rate at the four below-mentioned hotels. Reservation after this date will be subject to space and rate availability. If you wish, you may also extend your stay at the same rate.



Radisson SAS Hotel****
Marseiller Strasse 2, 20355 Hamburg
Phone: +49 40 3502 0
Fax: +49 40 3502 3530
www.hamburg.radissonsas.com
next to the congress center



Kempinski Hotel Atlantic Hamburg****
An der Alster 72–79, 20099 Hamburg
Phone: +49 40 2888 0
Fax: +49 40 2471 29
www.kempinski.atlantic.de
20 min walk from the congress center



ELYSEE Hotel AG Hamburg****
Rothenbaumchaussee 10, 20148 Hamburg
Phone: +49 40 4141 20
Fax: +49 40 4141 2733
www.elysee-hamburg.de
5 min walk from the congress center



Mercure Hotel Hamburg an der Messe***
Schröderstiftstrasse 3, 20146 Hamburg
Phone: +49 40 4506 90
Fax: +49 40 4506 91 000
www.mercure.com
15 min walk from the congress center

Congress Program IERC 2006

Wednesday, 18th January 2006

10.00 – 10.30	“Welcome and Introduction” Roger Burri, Chairman of the Steering Committee
Session 1:	<u>Keynote Speakers from industry and government</u>
Session Chairman:	Roger Burri, Chairman of the Steering Committee
	KEYNOTE SPEAKERS:
10.30 – 11.00	Dr. Werner Marnette, Norddeutsche Affinerie AG, Chairman of the Board, Germany
11.00 – 11.30	Hiroyuki Furukawa, Panasonic Europe Ltd., General Manager, Germany
11.30 – 12.00	Jan Johansson, Boliden AB, President and CEO, Sweden
12.00 – 13.30	Lunch
Session 2:	<u>Challenges of the recycling industry 1</u>
Session Chairman:	Dr. Mike Biddle, MBA Polymers Inc., USA
13.30 – 14.00	“Management of outlet streams from WEEE recycling in a global resources market” Jan F. Visser, Coolrec B.V., Netherlands
14.00 – 14.30	“Possible ways for the treatment of WEEE – State of the art? What are the possibilities today?” Nico Krukenberg, REMONDIS Electrorecycling GmbH, Germany
14.30 – 15.00	“Transboundary movement of waste from Europe to China – The legal aspects” Manfred Eckert, Dietiker AG für Rohmetalle, Switzerland
15.00 – 15.30	Coffee break
Session 3:	<u>Challenges of the recycling industry 2</u>
Session Chairman:	Dr. Viktor Haefeli, RUAG Components, Switzerland
15.30 – 16.00	“Transparency and quality assurance in the implementation of the WEEE Directive: The RAL quality mark for the demanufacture of refrigeration equipment containing CFCs” Christoph Becker, RAL Quality Assurance Association, Luxembourg
16.00 – 16.30	“Simple and efficient WEEE recycling” Helmut Oberguggenberger, MeWa Recycling, Germany
16.30 – 17.00	“CRT-recycling in closed-loop” Andreas Bock, NORDEG mbH, Germany
17.00 – 17.30	“Coping with challenges in WEEE recycling by using state-of-the-art metals smelting and refining processes” Dr. Christian Hagelüken & Thierry Van Kerckhoven, Umicore Precious Metals Refining, Belgium
19.00	Networking dinner

Thursday, 19th January 2006

Session 4:	<u>How do electronics manufacturers close the recycling loop 1?</u>
Session Chairman:	Filip Geerts, Recupel, Belgium
09.00 – 09.30	“2006 challenging year for the ICT industry for WEEE and RoHS” Hélène Fauve-Buresi, EICTA EPG Vice Chair, Alcatel
09.30 – 10.00	“Ericsson's end of life take-back program” Stephen Rodgers, Ericsson, Sweden
10.00 – 10.30	“Perspectives in polymer recycling” Dr. Peter S. Williams, Innovene, United Kingdom
10.30 – 11.00	Coffee break
Session 5:	<u>How do electronics manufacturers close the recycling loop 2?</u>
Session Chairman:	Steve Skurnac, Noranda Recycling Inc., USA
11.00 – 11.30	“Cooperation with companies in reverse supply chain” Helena Castrén & Pia Tanskanen, NOKIA, Finland
11.30 – 12.00	“The effect of RoHS and WEEE legislation' on electronics manufacturing” Dr. Marjory Crow-Ivanco, Celestica, Canada
12.00 – 12.30	“Coordination and cooperation of national registers of producers – Status of transposition and perspectives for the future” Otmar Frey & Sigrid Linher-Deutschmann, ORGALIME, Belgium
12.30 – 13.00	“CECED's view on treatment and recycling requirements for household appliances” Marc Heude, FagorBrandt, France
13.00 – 14.30	Lunch
Session 6:	<u>New initiatives and country reports</u>
Session Chairman:	Victor Duart, IBM Europe / Middle East / Africa
14.30 – 15.00	“New WEEE legislations all around the globe are not uniform” Julia Lietzmann, Levinson Law Firm, Israel
15.00 – 15.30	“From zero to full compliance, the Irish experience” Brendan Palmer, TechRec Ireland Ltd., Ireland
15.30 – 16.00	“Current status of recycling of WEEE in Korea” Dr. Jae-chun Lee, Korea Institute of Geoscience & Mineral Resources (KIGAM), Korea
16.00 – 16.30	Coffee break
16.30 – 17.00	“An update on waste electronics requirements in North America” Catherine Goodall, Environmental Packaging International, USA
17.00 – 17.30	“Added values of producer-made take backs” Armin Kienle, TechProtect GmbH, Germany
from 17.30	Cocktail reception in the exhibition hall

Friday, 20th January 2006

Technical visits

Every participant may choose one of the following tours:

Visit to Norddeutsche Affinerie AG, Hamburg



- 09.00 Departure by bus to Norddeutsche Affinerie AG
- 09.30 Arrival at Norddeutsche Affinerie AG
- 09.30 – 13.00 Visit of the copper smelter and electronics recycling plant
- 14.00 Arrival at Hamburg Airport
- 14.30 Arrival at the CCH Congress Center Hamburg

The NA Group is the largest integrated copper producer in Europe and as well the largest copper recycler worldwide. The core business is the production of copper cathodes from copper concentrates, copper scrap and recycling materials. These are then processed into continuous cast wire rod and shapes, rolled products and copper alloys. Precious metals are likewise an important product sector, as well as the recycling of precious metal containing raw materials.

More information at: www.na-ag.com

Visit to UNI-CYC GmbH, Bremerhaven



- 09.00 Departure by bus to UNI-CYC GmbH
- 11.00 Arrival at UNI-CYC GmbH
- 11.00 – 13.00 Visit of the battery sorting plant
- 15.30 Arrival at Hamburg Airport
- 16.00 Arrival at the CCH Congress Center Hamburg

Battery mixtures from municipal collection systems contain several battery types with a considerable amount of heavy metals. Therefore a direct treatment of the mixture in recycling facilities is very difficult and expensive. By means of a very fast (30 batteries per second!) automatic sorting system like the High-Speed X-Ray SORBAREC plant of UNI-CYC in Bremerhaven it is possible to separate the mixture into more than 10 different battery fractions with a purity of better than 99%. Up to now UNI-CYC has sorted more than 18'000 tons of batteries.

More information at: www.grs-batterien.de/english/index.htm

Visit to Behrendt Recycling GmbH, Neumünster



- 09.00 Departure by bus to Behrendt Recycling GmbH
- 10.30 Arrival at Behrendt Recycling GmbH
- 10.30 – 12.30 Visit of the electronics recycling plant
- 14.30 Arrival at Hamburg Airport
- 15.00 Arrival at the CCH Congress Center Hamburg

Behrendt Recycling is one of the leading electronics recycling plants in the north of Germany, located about 80 km in the north of Hamburg in a city called Neumünster. Behrendt recycles electronic and electric equipment using the most advanced shredding and sorting technologies.

More information at: www.electronic-recycling.de



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
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Jeanette Duttlinger
Congress Organizer



Sandra Ammann
Congress Assistant



Veronica Ying Liu
Congress Assistant



Susann Schmid
Congress Assistant



Yvonne Steiner
Congress Assistant



Petra Fiorentin
Congress Assistant

“Meet your clients” Networking Dinner

On Wednesday, January 18, a special networking dinner will be organized in beautiful Hamburg.

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



Exhibition

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

The fee for an exhibition stand of 4 m² is EUR 2'000.– and for 8 m² is EUR 3'000.– 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 11, 2005	after November 11, 2005
Fee for participants	€ 1'250.-	€ 1'390.-
Fee for speakers	€ 690.-	€ 790.-
Fee for students	€ 490.-	€ 590.-
Networking dinner (January 18, 2006)	€ 90.-	€ 100.-
Technical visits (January 20, 2006):		
– Norddeutsche Affinerie AG, Hamburg	€ 30.-	€ 50.-
– Behrendt Recycling GmbH, Neumünster	€ 30.-	€ 50.-
– UNI-CYC GmbH, Bremerhaven	€ 30.-	€ 50.-
Networking dinner for accompanying persons (January 18, 2006)	€ 100.-	€ 110.-

Additional Proceedings

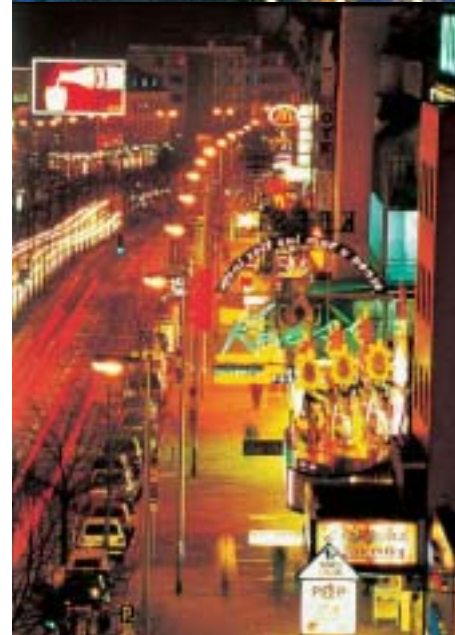
If it is not possible for you to attend the congress, you can purchase the complete proceedings at EUR 340.-. Participants will get the proceedings free of charge.

Payment

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

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

Beautiful Hamburg



Hamburg, 1'000 years old, is loved both for its contemporary scene as well as for its cultural offerings. With its one million inhabitants (Germany's second largest city) offers a high quality of life and international flair.

Stunning location on the Elbe and Alster Rivers, colorful activity in the St. Pauli entertainment district, unforgettable musicals, a night at the theater, Michaelis Church ("der Michel") or the impressive harbour...

In Hamburg, the word «boredom» is unknown.

www.hamburg-tourism.de

When sorting of spent batteries is required, the High-Speed X-Ray Sorting System from UNI-CYC is the answer!



At present our sorting plant in Bremerhaven handles about 80% of all collected batteries in Germany.

This speaks for itself.

For more information on what's behind the SORBAREC System and our services, contact:

UNI-CYC GmbH

Batteriestr. 94

D-27568 Bremerhaven

Germany

Phone +49 471 97248-19

Fax +49 471 97248-29

EMail nowak@uni-cyc.de



Behrendt Recycling is one of the most competent plants in the field of recycling electronic and electric equipment in the north of Germany.

With 15 years of experience and high financial investments we can offer a highly developed machine technology and an integrated recycling process for electronic waste – this means full commitment for extensive tasks and secures high quality and permanent innovation.

Needless to say, we easily manage to meet the criteria of WEEE and the resulting German regulation (ElektroG) concerning used electronic appliances.

Behrendt Recycling GmbH

Leinestr. 31

D-24539 Neumünster

Phone +49 (0) 43 21 984 980

Fax +49 (0) 43 21 984 984

behrendt@electronic-recycling.de

www.electronic-recycling.de

integrated operations – individual solutions



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