19th International Electronics Recycling Congress IERC 2020
January 21 – 24, 2020 Salzburg, Austria

Patronage:
- APPLiA – Home Appliance Europe
- Austrian Federal Ministry for Sustainability and Tourism
- DIGITALEUROPE
- European Association of Metals (Eurometaux)
- European Electronics Recyclers Association (EERA)
- European Recycling Industries’ Confederation (EuRIC)
- Japan Electronics and Information Technology Industries Association (JEITA)
- PlasticsEurope
- STEP Initiative
- Verband Deutscher Metallhändler e.V. (VDM)
- WEEE Forum
The Congress Centre in Salzburg is located just beside the Salzach river and just a short stroll from the historic city, which is overlooked by the Hohensalzburg Castle.

IERC 2020 will be our 19th congress and our 13th time to locate in Salzburg. On behalf of the Steering Committee who are already working hard behind the scenes, and, the conference organizers you are all wished a big welcome to Salzburg.

Last year we had just under 500 delegates from 40 countries and we expect a similar turnout for 2020. The delegates we expect to see will be representing Electronics Recycling, Equipment Manufacturers, Electronics Recyclers and ITAD Companies, Associations, Standards Bodies and NGO’s. We also expect to have representatives from governments and regulatory bodies.

The goal of the congress is to provide a space where participants can come together, learn from each other, forge alliances and partnerships, explore solutions for problems and identify gaps in their organisations or processes and make improvements either through something shared at the congress or through successful meetings or purchases made during the congress.

IERC facilitates the leading voices of organizations in the recycling industry globally coming together once a year. It promotes quality presentations and panel sessions in addition to providing an expansive meeting space and lots of exhibitors. It allows attendees to gain maximum efficiency in discussions and decisions.

The agenda for the IERC 2020 congress will focus on the following topics:
- E-Mobility
- What is the Recycling Solution for Electric Cars and Bikes?
- The Circular Economy Impact on Business
- Worldwide Take-back Schemes, Quotas and Challenges Faced by OEMs
- Business Opportunities and Models in Emerging Markets
- Recycling Technology Innovation
- Safe Transportation
- Reuse and Refurbishment – the Influence of GDPR and Data Security
- Internet Trade of Devices, Parts, Materials and Plastics
- Environmental Management of Hazardous Components such as Lithium batteries
- Standards Relating to the Management and Treatment of End of Life Electronics whether for Re-use or Recycling.

The program will also include interesting keynote speakers and two round table discussions, and the presentation of an industry barometer. There will also be a workshop on Tuesday afternoon, 21st on the “PolyCE – Plastics Recycling” and two on Friday 24th in the morning, one on “Batteries – Power Density vs. Safety” and one on the new “Requirements of the R2v3 Standard”.

In addition to the congress program the conference also provides a large exhibition hall with over 80 exhibitors. If you are working as an environmental engineer, a product designer, a policy maker, or involved in environmental sustainability or as an environmental change agent this congress should be on your agenda for 2020.

I look forward to an informative conference and to seeing you there.
# INTERNATIONAL STEERING COMMITTEE

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td><strong>JEAN COX-KEARNS</strong></td>
<td>Chairman of the Steering Committee</td>
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<tr>
<td><strong>ROGER BURRI</strong></td>
<td>Metal Depot Zurich AG</td>
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<td><strong>MARTIJN REINTJES</strong></td>
<td>Recycling International</td>
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<td><strong>STEPHANE BURBAN</strong></td>
<td>Chairman of the Lecture Group</td>
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<td><strong>DR SVEN GRIEGER</strong></td>
<td>EARN Elektroaltgeräte Service GmbH</td>
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<td>Online-Magazin 320° Publisher &amp; Chief Editor</td>
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<td>Sims Recycling Solutions EMEA Director</td>
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<td>Sofies UK Consulting Limited Managing Director</td>
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<td><strong>LIDA STENGS</strong></td>
<td>EERA (European Electronics Recyclers Association) Executive Secretary</td>
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<td><strong>DR MARCO BULETTI</strong></td>
<td>Federal Office for the Environment (FOEN), Waste Management and Resources</td>
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<td><strong>THIERRY VAN KERCKHOVEN</strong></td>
<td>Umicore Precious Metals Refining Head of Supply Recyclables</td>
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ANDRITZ’s Universal Cross-Flow Shredder QZ breaks down composite materials quickly and gently with rotating chains so that the individual fractions are exposed. Parts containing hazardous substances are left intact, while potentially harmful gases are collected in compliance with WEEE/LABEX/CENELEC requirements. This single-stage process is conducted in a fully encapsulated system warranting high throughput and rapid access to extremely clean fractions while reducing costs for energy consumption and maintenance. recycling@andritz.com

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Different treatment concepts for:
- Fridges and AC
- Printed circuit boards
- Toner cartridges
- Small domestic appliances and IT
- WEEE plastics
- Big domestic appliances

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One tiny device can reduce the cost of recycling refrigerators by 7.5% and we bet you didn’t know it.

The fact is, the recycling industry is not the most transparent in the world. We are not so good at sharing what we know. If one technique is developed in, say, Indonesia, chances are that it won’t be implemented in Bulgaria for another ten years.

There are many reasons for this. The main one is that jurisdictional laws governing the recycling industry vary from country to country. Also, because waste treatment technologies are big and cumbersome, it’s assumed that transferring knowledge is too complicated and costly.

But what is really costing us is not sharing our knowledge. Not sharing best practices or the challenges we are facing and not engaging in networking and open communication with each other. If other industries behaved like ours, we’d still be using rotary phones and driving Ford T.

We are E-Reciklaza, a recycling company that specializes in electronic waste management. We are based in Serbia and have strong regional contacts, but our aspirations are global.

Through years of experience, we have developed efficient and environmentally sound ways of recycling WEEE, PET and sorting communal waste, and think we have valuable experiences to share. The controller shown here is one of them.

We’d love to hear from you. Perhaps it will lead to a successful partnership, joint venture or consulting engagement. I am Ninoslav Milenkić, CEO, and would be interested to personally speak with you. You can reach me on +381 63 1085231 (including Wapp) or at ninoslav@ereciklaza.com.
The 19th International Electronics Recycling Congress IERC 2020 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. Only 15 minutes from Salzburg Airport and 10 minutes from train station by taxi or bus. Direct trains available from Munich Airport (www.bahn.de) and Vienna Airport (www.oebb.at).

Salzburg – The city of Mozart
UNESCO nominated Salzburg’s city centre is 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

Important notice:
We have been alerted that unofficial housing providers are trying to contact IERC delegates and exhibitors claiming to be associated to ICM and can secure hotel rooms at designated IERC hotels in Salzburg. These companies are not authorized to represent ICM nor IERC. Please note that we have no affiliation with any housing coordinator.
If you have any concerns, contact us at info@icm.ch.

Hotel Sheraton Grand Salzburg ******
Phone +43 662 889990
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Star Inn Hotel Premium Salzburg Gablerbräu ***
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5 minutes’ walking distance to Salzburg Congress
How to Optimize Plastics Recycling to Obtain High Quality Polymers for Circular Electronics?

Organizer: PolyCE Project – Post-Consumer Recycled Plastics for a Circular Economy

Moderators:
- Gergana Dimitrova, Fraunhofer IZM, Germany
- Franziska Maisel, Technische Universität Berlin, Germany

Date: Tuesday, January 21, 2020
Time: 14.00 – 17.00
Location: Hotel Sheraton, Salzburg

Price:
- EUR 150 per person
- EUR 190 per person after November 30, 2019 (incl. coffee break)

Who should attend the workshop?
- WEEE Pre-Processors
- WEEE Recyclers
- Plastic Recyclers
- EEE Manufacturers
- Policy Makers
- Compounders

Why should you attend?
European industry partners have recently committed themselves to increase the use of recycled plastics in an effort to reduce plastic waste in the future. Estimations indicate that due to this new industry approach at least 10 million tons of recycled plastics could be supplied by 2025. Due to the increasing share of plastic in EEE, rising collection targets and the remaining challenges to achieve higher quality of the recycled plastics, improved plastics recycling is necessary. While there are established solutions for recovering the metal fractions, the recycling of mixed plastics into clean, recyclable high-quality plastic flakes remains a major challenge.

The goal of this workshop is to elaborate together with processors, recyclers and manufacturers how to improve recycling steps to produce high-quality polymers which can be reused in electronic applications. Insights from the European project PolyCE (www.polyce-project.eu/) will be presented considering different steps along the value chain such as optimized clustering, recommendations on pre-processing, examples how to use recycled plastics in new electronic applications and considerations on design for recycling.

End-of-life actors like pre-processors, plastic recyclers or moulders can contribute to the discussion for producing high-quality polymers to be used in electronic applications.

Participants will receive a certificate of attendance.

The workshop will be held with a minimum of 8 participants.

“We will show best practices for closing the plastic loop, share experiences and provide hands on solutions with the integration of recycled plastics in new EEE.”

Gergana Dimitrova, Fraunhofer IZM
WHO SHOULD ATTEND?

- Original electronic equipment manufacturers (OEMs)
- Reuse & refurbishment organizations
- Schemes and take back companies
- Ferrous & non-ferrous metal traders
- Collection and transportation companies
- Recycling and dismantling companies
- Shredding companies
- Plastics industry
- Battery industry and recyclers
- Non-ferrous metal industry
- Ferrous and stainless steel industry
- Eco-designers and engineers
- Environmental authorities
- Universities and research institutes

ROBERT C. TER KUILE
Amazon USA

KEYNOTE SPEAKER

"European Green Deal: Boosting Recycling in the Single Market"

Robert ter Kuile is the Global Director of Environmental Affairs at Amazon where his teams actively develop, implement, and operationalize Amazon’s global programs and policies on environmental affairs. His teams are responsible for developing, maintaining, and collaborating with internal and external stakeholders, managing Amazon’s environmental risks globally, through innovative technology solutions and cross-functional collaborations.

Prior to joining Amazon, Robert served as PepsiCo’s Senior Director of Environmental Sustainability in the Global Public Policy group, where he was responsible for the global public policy on environmental sustainability initiatives. Robert also served as the Director of Energy and Climate Change for PepsiCo’s Global Operations developing and implementing energy and carbon reduction strategies.

Prior to joining PepsiCo, Robert served in various governmental roles for what is now the Texas Commission of Environmental Quality, and has held several environmental and sustainability consulting roles.
Egbert Lox earned his MSc (1982) and PhD (1987) in Chemical Engineering at the University of Ghent, Belgium. He joined the central research laboratories of Degussa AG (Germany) in 1987, where he built up the R&D group for automotive emission control catalysts and assumed consecutive management levels in that area till 2006. From 2006 to 2012 he took care of the management of the corporate R&D team of Umicore, which deploys its activities in Belgium and in Germany. Since 2013 he has assumed the position of Senior Vice President Government Affairs, based in Umicore’s headquarters in Brussels, Belgium.

He represents Umicore on the Board or Executive Committee of several industry associations in Belgium, France, Germany and the EU.

He lectures on automotive emission control catalysts amongst others at the Department of Mechanical Engineering of the Karlsruhe Institute of Technology (KIT) in Germany. In 2015 he was granted the honorary professorship at this university.

He is a permanent member of the Royal Flemish Academy of Belgium for Sciences and Arts (KVAB) and elected member of the Academia Scientiarum et Artium Europaea (EASA, Salzburg, Austria).

Surendra Borad Patawari is Founder and Chairman of Gemini Corporation, one of the world’s largest circular economy market makers. Since 1989 Gemini has been engaged in worldwide sourcing & distribution of recyclable & reusable plastics, paper, metal and rubber. Gemini collects 400’000 tons of reusable and recyclable plastics from over 400 locations in 24 countries for reprocessing at over 150 plants in 35 countries. With a strongly committed team of 300 people, Gemini manages annually 1.7 million MT of recyclable materials.

As a keynote speaker at many major recycling conferences across the globe, he continuously carries out his mission of giving second life to materials which otherwise may be discarded. Surendra Patawari is a Board Member of The Global Alliance to End Plastic Waste and is a Winner of several awards, i.e. the US President’s “E” Award, Global Business Leader Award (Institute of Chartered Accountants of India), Global Recycler of the Year (MRAI).

To fulfill his passion of “sharing”, he has adopted and takes care of 11 villages in India for their medical needs, has built and operates two schools for 400 students, and supports the plantation & maintenance of a green forest in the desert in India with 100’000 trees.

His most recent social project of creating and providing waste management infrastructures in India might become the most prestigious one, because it will uplift the lives of thousands of street waste pickers in India.
**CONGRESS PROGRAM**

**TUESDAY, JANUARY 21, 2020**

13.00 – 14.00 Registration in the exhibition hall

14.00 – 17.00 Workshop

How to Optimize Plastics Recycling to Obtain High Quality Polymers for Circular Electronics?

17.00 – 19.00 Registration in the exhibition hall

**WEDNESDAY, JANUARY 22, 2020**

08.00 – 09.30 Registration and welcome coffee in the exhibition hall

09.30 – 10.00 Welcome and Introduction

Jean Cox-Kearns, Chairman of the Steering Committee

Results of the Industry Barometer

Stephanie Burban, Glencore International AG, Switzerland

10.00 – 10.45 KEYNOTE SPEAKER

“European Green Deal: Boosting Recycling in the Single Market”

Robert C. ter Kuile, Amazon, USA

Moderator: Jean Cox-Kearns, Chairman of the Steering Committee

10.45 – 11.30 KEYNOTE SPEAKER

“The Complexity of Sustainable Mobility”

Prof. Dr Egbert Lox, Umicore, Belgium

Moderator: Stephanie Burban, Glencore International AG, Switzerland

11.30 – 11.45 PRESENTING OF THE “IERC HONORARY AWARD”

11.45 – 12.15 KEYNOTE SPEAKER

“Worldwide Scenario on Plastics Recycling”

Surendra Borad Patawari, Gemini Corporation NV, Belgium

Moderator: Jean Cox-Kearns, Chairman of the Steering Committee

12.15 – 14.00 Lunch in the exhibition hall

14.00 – 15.00 ROUND TABLE: “Shifting Markets China Ban 2 Years On”

Introduction & Presentation: Weiwei Luo, Beveridge & Diamond, P.C., USA

Moderators:

Stephane Burban, Glencore International AG, Switzerland

Martijn Reintjes, Recycling International, Netherlands

Participants:

Olivier Francois, Group GALLOO, Belgium

Weiwei Luo, Beveridge & Diamond, P.C., USA

Surendra Borad Patawari, Gemini Corporation NV, Belgium

Stephan Schwarz, ALBA International Recycling GmbH, Germany

Craig Thompson, Semper Augustus Consulting, Latvia

15.00 – 15.30 Coffee break in the exhibition hall

**Plastics – Smart Recycling Solutions 1**

Session Chairman: Dr Sven Grieger, EARN Elektroaltgeräte Service GmbH, Germany

15.30 – 16.00 “Black Plastic Sorting with MWIR”

Remi Gerriet, Pellenc ST, France

16.00 – 16.30 “Fit for the Requirements of Circular Economy”

Clemens Kitzberger, EREMA Group GmbH, Austria

16.30 – 17.00 “Plastic Sorting Solution for Japan”

Jelle Saint-Germain, AD REM N.V., Belgium

**Standards**

Session Chairman: Jan Vlak, WEEE Forum, Belgium

15.30 – 15.50 “R2v3: Exploring Changes in the Next R2 Standard”

Corey Dehmey, SERI, USA

15.50 – 16.10 “CEWASTE Voluntary Certification Scheme for Improving CRM Recovery from WEEE and Waste Batteries”

Dr Mathias Schluep, World Resources Forum Association, Switzerland

16.10 – 16.30 “Quality Standards for the Treatment of WEEE-Ongoing Commission Study and Further Considerations”

Bettina Lorz, European Commission, Belgium

16.30 – 17.00 Q & A

from 17.00 Cocktail reception in the exhibition hall sponsored by

from 19.00 Networking dinner “Country Night”
**CONGRESS PROGRAM**

**THURSDAY, JANUARY 23, 2020**

- 08.00 – 09.00 Welcome coffee in the exhibition hall

- **Plastics – Smart Recycling Solutions 2**
  Session Chairman: Venkatesha Murthy, Vans Chemistry Pte. Ltd., Singapore
  - 09.00 – 09.30 “Chemical Recycling – Buzzword, Dead-End or Solution?” Christian Haupts, RECENSO GmbH, Germany
  - 09.30 – 10.00 “Plastics Containing Flame Retardants: Part of a Circular Economy Thanks to Innovative Technologies” Lein Tange, ICL-IP, Netherlands
  - 10.00 – 10.30 “Chemical Recycling of WEEE Plastics: Key Step for New High-Quality Plastics” Alexander Hofmann, Fraunhofer UMSICHT, Germany

- **Innovation 1**
  Session Chairman: Marc Affüpper, Sims Recycling Solutions EMEA, Germany
  - 09.00 – 09.30 “AR Europe R&D Center – Research and Development for WEEE Processing” Patrick Sauer, AR EUROPE s.r.o., Czech Republic
  - 09.30 – 10.00 “Minimization of Fire Risks in Electronic Recycling Industries: Applications of a New Innovative Infrared Detection Technology” Mark Müller, ORGMEISTER Infrarot-Systeme GmbH & Co. KG, Germany
  - 10.00 – 10.30 “Hazardous Waste + Artificial Intelligence = Profit” Paudy O’Brien, FPD Recycling, Ireland

- 10.30 – 11.00 Coffee break in the exhibition hall

- **Country Reports**
  Session Chairman: Scott Venhaus, Quantum Corp, USA
  - 11.00 – 11.30 “Public Private Partnership for Sustainable E-Waste Management in Rwanda, Africa” Olivier Mbera, EnviroServe Rwanda, Rwanda
  - 11.30 – 12.00 “Update on E-Waste Regulations for Australia and New Zealand” Alvin Piadasa, TES Group, Australia
  - 12.00 – 12.30 “Updates on WEEE recycling in Brazil” Danilo Mella, Lorene Importação e Exportação Ltda., Brazil

- **Innovation 2**
  Session Chairman: Thierry Van Kerckhoven, Umicore Precious Metals Refining, Belgium
  - 11.00 – 11.30 “Exploring Image Recognition Applications in the E-Waste Sector: A Belgian Use Case” Hederik Tjits, Recupel vzw, Belgium
  - 11.30 – 12.00 “DISPLAY – Upscale of Material Recovery from Display Applications and Printed Circuit Boards” Dr Katrin Bokelmann, Fraunhofer IWKS, Germany

- 12.30 – 14.00 Lunch in the exhibition hall

- **TECH TALKS**
  12.30 – 14.00 Welcome coffee in the exhibition hall

**FRIDAY, JANUARY 24, 2020**

- **Plant tours**
  - 08.00 – 17.15 Müller-Guttenbrunn Group, Amstetten/Kematen
  - 08.15 – 14.45 Montanwerke Brixlegg AG, Brixlegg

- **Workshops**
  - 09.00 – 12.00 Requirements of the R2v3 Standard
  - 09.30 – 12.30 Batteries – Power Density vs. Safety
SIDE EVENTS

TUESDAY, JANUARY 21, 2020

Workshop (in the Hotel Sheraton)

14.00 – 17.00 How to Optimize Plastics Recycling to Obtain High Quality Polymers for Circular Electronics?
Moderators: Gergana Dimitrova, Fraunhofer IZM, Germany
Franziska Maisel, Technische Universität Berlin, Germany

WEDNESDAY, JANUARY 22, 2020

Networking dinner (in the Salzburg Congress)

from 19.00 COUNTRY NIGHT

FRIDAY, JANUARY 24, 2020

Plant tours (buses are leaving from in front of the Hotel Sheraton)

08.00 – 17.15 Müller-Guttenbrunn Group, Amstetten/Kematen

08.15 – 14.45 Montanwerke Brixlegg AG, Brixlegg

Workshops (in the Hotel Sheraton)

09.00 – 12.00 Requirements of the R2v3 Standard
Moderator: Corey Dehmey, SERI, USA

09.30 – 12.30 Batteries – Power Density vs. Safety
Moderator: Dr Claude Chanson, RECHARGE, Belgium

PUT ON YOUR BOOTS, GRAB YOUR HAT AND JOIN US FOR THE EXCITING COUNTRY NIGHT NETWORKING DINNER!

SAVE THE DATE 22 JANUARY 2020

DON’T MISS IT AND REGISTER TODAY!
Requirements of the R2v3 Standard

Organizer: SERI – Sustainable Electronics Recycling International
Moderator: Corey Dehmey
Date: Friday, January 24, 2020
Time: 09.00 – 12.00
Location: Hotel Sheraton, Salzburg
Price: EUR 150 per person
       EUR 190 per person after November 30, 2019
       (incl. coffee break)

R2 Certification is the most globally respected standard for responsible reuse and recycling of used electronics. More than 900 facilities in 34 countries are certified to the best practices required by the R2 Standard for data security, testing and repair, environmental protection, resource preservation, and the health and safety of workers and communities.

This workshop is for anyone who wants to learn more about how R2 Certification reduces risks in the reuse-recycling chain for used electronics. The session will include an overview of the requirements in the next version of the R2 Standard (R2v3), and will benefit ITAD service providers, electronics repair-recycling companies, users of ITAD and recycling services, and government agencies and oversight bodies.

At the end of the session will be a brief discussion about the steps to achieve R2 Certification, the associated costs, and why a growing number of industries and government agencies require R2 certification for ITAD and recycling vendors.

Participants will receive a certificate of attendance.
The workshop will be held with a minimum of 8 participants.

Batteries – Power Density vs. Safety

Organizer: RECHARGE – The European Advanced Rechargeable & Lithium Batteries Association
Moderator: Dr Claude Chanson
Date: Friday, January 24, 2020
Time: 9.30 – 12.30
Location: Hotel Sheraton, Salzburg
Price: EUR 150 per person
       EUR 190 per person after November 30, 2019
       (incl. coffee break)

Who should attend the workshop?
• WEEE Recyclers
• Producer Responsibility Organizations
• Waste Transporters
• Collection Schemes

Why should you attend?
Batteries play a pivotal role in an increasingly electrified world. Advanced rechargeable batteries are a main enabler for the transition towards zero-emission mobility and decarbonized energy generation. They power an endless number of everyday applications, from smartphones, tablets and power tools to robots, wheelchairs and bikes.

Significant efforts in cost reduction and technological improvements in life duration and power density continue to enable the creation and deployment of new battery-powered EEE.

This workshop will provide insights in market trends and will discuss what more power-dense, higher energy batteries mean for the WEEE sector, as well as the safety recommendations.

Elaborate with our experts from industry and legislation:
• Which new waste streams containing batteries will hit the WEEE industry in the coming years
• What impact an increasingly battery-powered EEE market has on packaging, transport and waste treatment
• What waste storage, handling and transport measures apply to ensure safety of products powered by power-dense, high-energy batteries

Participants will receive a certificate of attendance.
The workshop will be held with a minimum of 8 participants.
PLANT TOUR
FRIDAY, JANUARY 24, 2020

MÜLLER-GUTTENBRUNN GROUP,
AMSTETTEN/KEMATEN

08.00  Departure by bus to Müller-Guttenbrunn Group
10.30  Arrival at Müller-Guttenbrunn Group
10.30 – 15.00  Visit to the shredder plant of MGG Metrec
Visit to the post-shredder treatment plant of MGG Metran
Visit to the plastic recycling plant of MGG Polymers
17.00* Arrival at Salzburg Airport
17.15  Arrival at Hotel Sheraton

The Müller-Guttenbrunn Group is the largest e-waste processor in Central and South Eastern Europe with an unprecedented recycling depth. The MGG Metrec facility in Amstetten de-pollutes the e-waste with the patented Smasher™. After the de-pollution step a new and specialized shredder with a design capacity of 80,000 MT recovers a high quality ferrous metal scrap with very little loss of copper and other non-ferrous metals in the ferrous fraction. The shredder residues are transported to MGG Metran.

MGG Metran combines a large number of innovative separation technologies to further process these electronic shredder residues into a range of non-ferrous metal concentrates as well as printed circuit boards. Even metals <1 mm can thus be extracted from these residues to be re-introduced into the material cycle. In these processes a valuable plastics fraction is created, which is delivered to MGG Polymers for further processing.

MGG Polymers recovers a high quality post-consumer ABS, HIPS, PP and even PC-ABS resins for use in demanding applications. Premium grades are UL-HB recognized, impact modified and/or available in different colours – replacing virgin plastics and closing the circle for tech-plastics from WEEE. These 100% Post-Consumer Recycled (PCR) plastics reduce energy consumption by over 80–90% and protect the environment by reducing up to four tonnes of CO₂ emissions per tonne of plastics produced, compared to the production of one tonne of “virgin” plastics from petrochemicals. The MGG Polymers plastics recycling facility covers approximately 20,000 m² and has a processing capacity of well over 50,000 tonnes per annum with a workforce of over 100 employees.


* No guarantee of arrival time due to traffic conditions.
The plant tour will only take place with a minimum of 8 participants.

Unprecedented recycling depth
Patented smasher
de-pollution technology
—
Latest shredding and
separation technologies
—
Highly innovative
post-shredder technologies
—
Presence in central
and south eastern europe

Responsibility starts with the raw material
Long experience in
WEEE plastic recycling
—
RoHS and REACH
compliant PCR plastics
—
ABS, HIPS, PP and
PC/ABS
—
Raw material for new
high-tech equipment

PLANT TOUR
FRIDAY, JANUARY 24, 2020

MONTANWERKE BRIXLEGG AG, BRIXLEGG

08.15** Departure by bus to Montanwerke Brixlegg AG
10.15 Arrival at Montanwerke Brixlegg AG
10.15 – 12.30 Visit to the refinery and foundry
14.30* Arrival at Salzburg Airport
14.45 Arrival at Hotel Sheraton

Montanwerke Brixlegg AG is Austria’s leading copper processor. With 556 years of experience in upcycling copper today the organization is one of the leading copper refining works.

Copper and precious metals as well are the main part of the value chain. The annual output of Grade-A cathodes and cast billets in various specifications is more than 150,000 tonnes.

** Border crossing, your passport is required.
* No guarantee of arrival time due to traffic conditions.
The plant tour will only take place with a minimum of 8 participants.
EXHIBITING AND ADVERTISING

Reach key industry decision-makers and promote your products to all congress attendees.

The fees are:

- **Booth 6 m² (2 m x 3 m)**: EUR 3'690
- **Booth 12 m² (3 m x 4 m)**: EUR 4'990
- **Display board (1 m x 2 m)**: EUR 690
- **Poster presentation (wall rental)**: EUR 390
EXHIBITORS
AS PER SEPTEMBER 30, 2019
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Congress Assistant
Alexandra Bloch
Congress Assistant
Ying Liu Reichenbach
Congress Assistant
Michael Frei
Congress Assistant
HiKaru Bhend
Congress Assistant

Participants registering and paying before November 30, 2019 will benefit from a reduced registration fee. The registration fee includes congress, entrance to the exhibition, proceedings and luncheons.

Registration Fees

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<tr>
<td>Congress registration fee (Jan. 22 &amp; 23)</td>
<td>EUR 1'690</td>
<td>EUR 1'790</td>
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<tr>
<td>Fee for participants</td>
<td>EUR 1'090</td>
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<td>Fee for speakers</td>
<td>EUR 690</td>
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<td>Networking dinner (Jan. 22)</td>
<td>EUR 100</td>
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<td>Networking dinner spouse (Jan. 22)</td>
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<td>Workshops</td>
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<td>PolyCE – Plastics Recycling (Jan. 21)</td>
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<td>Batteries – Power Density vs. Safety (Jan. 24)</td>
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<td>Requirements of the R2v3 Standard (Jan. 24)</td>
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<td>Plant tours (Jan. 24)</td>
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<tr>
<td>Montanwerke Bräxlegg</td>
<td>EUR 50</td>
<td>EUR 70</td>
</tr>
<tr>
<td>Müller-Guttenbrunn Group</td>
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Prices do not include 20% Austrian VAT.

Congress registration on site EUR 100 surcharge

Online registration
You may also register online at: https://ierc.icm.ch

Proceedings
If you cannot 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.
IERC HONORARY AWARD WINNERS

**RON GARAN**
Impact CoLab, Retired NASA Astronaut, USA

January 2015

Ron receives this award in recognition of his humanitarian spirit and work to improve our planet fostering collaborative efforts across global humanitarian organisations. He lived and worked in space for 178 days and has a unique perspective of our impact on the earth from space.

**STEVE SKURNAC**
Global President of Sims Recycling Solutions, USA

January 2016

Steve receives this award for his achievements, support and dedication to the e-waste industry. With a career spanning more than a quarter of a century, working in markets around the globe Steve has become a figurehead of an industry which historically managed waste but is now known as resource recovery or urban mining.

**NORBERT ZONNEVELD**
EERA – European Electronics Recyclers Association, Netherlands

January 2019

Norbert receives this award in recognition of his long-lasting leadership within EERA, for his tireless commitment to the e-waste agenda, recycling and contributions to the WEEE Directive dialogue and development over many years. He also receives the award for the support he has given to our congress, his contributions to the lecture group, his chairing of panel sessions and discussions and his overall support for the congress for many years.

**MANFRED FAHRNER**
ALBA Electronics Recycling GmbH, Germany

January 2018

Manfred receives this award in recognition of his lifetime contribution and personal commitment to developing the recycling industry and especially the WEEE recycling business. He was one of the founding fathers of the European Electronics Recyclers Association – EERA.

**CHRISTIAN MÜLLER-GUTTENBRUNN**
CEO of Müller-Guttenbrunn Group, Austria

January 2017

Christian receives this award in recognition of his work developing new recycling processes and founding new CleanTech companies in Austria and Eastern Europe in various sectors such as plastics recycling and metal sorting.

**DR BERTRAND PICCARD**
Initiator and Chairman of the Solar Impulse Project, Switzerland

January 2014

Bertrand receives this award in recognition of his pioneering spirit to go beyond today’s human and technical limits to fly around the world without fuel and without pollution. His remarkable commitments to save energy, to demonstrate the importance of clean technologies and to place dreams and emotions.

**JIM PUCKETT**
Basel Action Network, USA

January 2013

Jim receives this award in recognition of his pioneering and breathless work to prevent the globalization of toxic wastes. The Steering Committee of IERC also honours his dedication to contributing comprehensive strategies for the proper treatment of e-waste across the globe.

**DR MIKE BIDDLE**
Founder of MBA Polymers, Inc., USA

January 2012

Today, MBA recycles 1 million pounds of plastics waste a day! Mike receives this award in recognition of his powerful spirit and lifetime work to develop a genius, very low energy-consuming process to recycle plastics waste in order to drive industry and society towards a better, cleaner and fairer world.

**MANFRED BECK**
Recycling International, Netherlands

January 2011

Manfred receives this award in recognition of his lifetime work and editorial skills in promoting sustainability, inspiring entrepreneurs to invest in environmental technologies and businesses, in order to drive industry and society towards a better and cleaner world.

**KARL-HEINZ FLORENZ**
the Father of the WEEE Directive, European Parliament

January 2010

Karl-Heinz receives this award in recognition of his outstanding commitment, leadership and fighting for a sustainable world, which resulted in the creation of the most important regulation regarding Electronics Waste Recycling on the European continent.

**DR MARCO BULETTI**
Federal Office for the Environment, Switzerland

January 2009

Marco receives this award in recognition of his outstanding commitment and leadership which resulted in the creation of the Mobile Phone Partnership Initiative (MPPI).

**PROF. DR IR. AB STEVELS**
Philips Consumer Electronics, Netherlands

January 2008

Ab receives this award in recognition of his outstanding commitment to preserving our environment by developing and promoting efficient recycling technologies.
Upcoming ICM Events:

E-Mobility & Circular Economy
E-MENCE 2020
June 29 – July 1, 2020
Tokyo, Japan

20th International Automobile Recycling Congress
IARC 2020
March 11 – 13, 2020
Geneva, Switzerland

25th International Congress for Battery Recycling
ICBR 2020
September 16 – 18, 2020
Salzburg, Austria

20th International Electronics Recycling Congress
IERC 2021
January 20 – 22, 2021
Salzburg, Austria

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Johanna wants to save lives. She couldn’t without metals.

Devoted people, advanced healthcare and medical research all play a vital role in the development of modern society. Much of this development is dependent on metals, which are used in medical equipment, hygiene solutions and protection against radiation. Johanna is ready to do her part, and so are our metals.

FireBox protects you and your business. Do not run the risk of a lithium battery setting your business on fire.

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P +41 62 785 1003, M +41 79 208 93 09
info@blubox.ch

BLUBOX.ch
What does sustainability mean to us?

PARTNERS WHO GIVE SOMETHING BACK. And, together with Aurubis, create a traceable, uninterrupted material cycle. One of our goals is to use a higher volume of complex secondary raw materials in addition to copper raw materials and to recover a number of additional metals. This is just one example of our Sustainability Strategy.

Find out more at www.aurubis.com/sustainabilitystrategy

Responsibly transforming raw materials into value to provide metals for an innovative world