

# IARC 2011

## 11<sup>th</sup> International Automobile Recycling Congress IARC 2011

March 23 – 25, 2011, Budapest, Hungary



### Patronage:

Alliance of Automobile Manufacturers  
Association of the Hungarian Dismantlers (GOE)  
Confederation of European Waste-to-Energy Plants (CEWEP)  
European Association of Automotive Suppliers (CLEPA)  
European Automobile Manufacturers Association (ACEA)  
European Group of Automotive Recycling (EGARA)  
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Korea Automobile Manufacturers Association (KAMA)  
National Association of Recyclers (HOE)  
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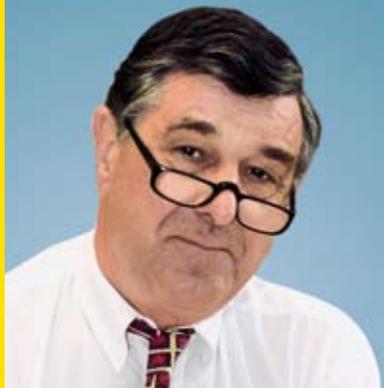


R Recycling  
International



Audi  
Hungaria





## FOREWORD

### PROFESSOR WIJNAND DALMIJN

Chairman of  
the Steering Committee  
International Automobile  
Recycling Congress

#### Welcome to Budapest!

The IARC 2011 welcomes all its attendants this year in Budapest, a city with a very rich history and a long time center of culture on the crossroads of civilization.

This city originates from the old cities Buda and Pest on the left and right hand side of the river the Danube. The first conquerors were the Romans who arrived 35 BC at the Danube and they were followed by many different cultural groups until the Hungarians arrived in 900 AC. After a stable period of growth the Mongols destroyed the city in 1241. The thermal baths in the city are as old as the history of the city but the origin of the beautiful thermal bath buildings in the city goes back to the Turks of which the thermal bath in Hotel Gellert is an excellent example. Hungary became

part of Austria and was ruled by the house of Habsburg from 1787 until 1918.

In the Second World War Budapest was occupied by the Nazis and liberated by the Russians. The up rise in 1956 and the Second World War have both lead to the destruction of the historic center of Budapest which has fortunately been rebuilt over the years.

The economical development after the Second World War has had its dynamics which continued after the independence of Hungary. After becoming a member of the European Union the different regulations had to be implemented and recycling is one of the challenges for Hungary and all the other new member states as well. In recent years the transitions at hand have been extremely influenced by the collapse of the economic

system. The recovery of the economy is slow and has a direct influence on the automobile production sales and on the large run on the automobile recycling volumes in the world and the European Union as well.

An indirect result of the economic changes is that the automobile production and the main growth of sales is moving east, mainly to China. Also the volume of secondhand automobiles and car wrecks going east, legal and illegal, is not decreasing which has a long lasting effect on the automobile recycling volumes in Europe. Less recycling volumes and tough environmental regulations in the European Union are making life for the recycling industry difficult and are not helping to create a level playing field. Having high standards for the recycling industry in the European Union should not

go at cost of the business. New materials for cars, hybrid and E cars are coming on the market and creating new challenges for the recycling industry.

According to Mr Winterkorn, CEO of VW, the cost per kilowatt hour with the present technology of a battery of an E-car are between 500 and 1000 Euro, compared to about 30 to 60 Euro per kW from a combustion car engine. A long but not impossible way for R&D according to VW and marching orders have been given to the R&D departments of VW worldwide. On top of this the management of the Li resource cycle has to be optimized just as for the precious metal cycle to meet the demands of the automobile and electronics industry and other markets.

Reducing the CO<sub>2</sub> emissions from automobiles to meet

the EC standard has influenced the design, engine and materials applied and the question will be if the existing recycling quota are still the right drivers for the new developments mentioned. New directions in automobile design are the new challenge for the recycling industry and optimized regulations should prevent illegal export of waste to non OECD countries and at the same time increase recycling volumes in the EC.

Budapest will be a meeting point for the automobile recycling society to formulate new global solutions for the recycling industry.

I am looking forward to welcoming you at IARC 2011!



## KEYNOTE SPEAKERS



### ROSALINDE VAN DER VLIES

European Commission  
DG Environment  
Sustainable Production and Consumption  
Deputy Head of Unit  
Belgium

“THE IMPORTANCE OF CAR RECYCLING  
FOR A RESOURCE-EFFICIENT EUROPE”

### JOHAN NOUWEN

European Chemicals Agency (ECHA)  
Team Leader Guidance  
Finland

“GUIDELINES, REGISTRATION AND FUTURE  
TASKS OF ECHA”



### ESZTER SÁROSI

National Association of Recyclers (HOE)  
Managing Director  
Hungary

“AUTHORITIES AND INDUSTRY SHOULD WORK  
TOGETHER TO CHANNEL MATERIAL STREAMS  
TO LEGAL WAYS”



## INTERNATIONAL STEERING COMMITTEE



**PROFESSOR  
WIJNAND DALMIJN**  
Chairman  
Delft University of Technology  
Netherlands



**DAVE BEBELAAR**  
Auto Recycling  
Nederland (ARN)  
CEO  
Netherlands



**WOLFGANG HANG**  
BMW Group  
Department Manager  
Recycling  
Germany



**RICHARD PAUL**  
LKQ Corporation  
Manager Environmental and  
Sustainability Programs  
USA



**MANFRED BECK**  
Vice-Chairman  
Recycling International  
Magazine  
Editor  
Netherlands



**JAN BOLLEN**  
ArcelorMittal Technology  
Environment Product Issues  
Belgium



**JOSEPH M. HOLSTEN**  
LKQ Corporation  
CEO  
USA



**WILLY TOMBOY**  
Toyota Motor Europe  
Director / Environment Officer  
Environmental Affairs Group  
Belgium



**JULIEN VAN DAMME**  
Chairman of the Scientific  
Committee  
Honda Motor Europe Ltd.  
Recycling Manager  
Belgium



**DR FRANCESCO BONINO**  
FIAT Research Center  
Materials and Process Technologies  
Head of Interiors Materials &  
Technologies Unit  
Italy



**FEDE KARRER**  
Foundation Auto Recycling  
Switzerland  
Delegate of the Board  
Switzerland



**DR RUGGERO ALOCCI**  
Alocci Rappresentanze  
Industriali  
President  
Italy



**ROGER BURRI**  
Air Mercury AG  
President  
Switzerland



**FERDINAND KLEPPMANN**  
CEWEP President  
ITAD Chairman  
Germany



**GENKICHI ANDO**  
Seinan Corporation  
Director  
Japan



**OLIVIER FRANÇOIS**  
Group GALLOO Recycling  
Market Development Officer  
France



**PETER KUNZE**  
ACEA  
Environmental Policy  
Director  
Belgium

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# TOYOTA

## LOCATION OF THE CONGRESS

The 11<sup>th</sup> International Automobile Recycling Congress will be held from **March 23 – 25, 2011** in the Hotel InterContinental in beautiful Budapest.

**Hotel InterContinental \*\*\*\*\***

Apáczai Csere J. u. 12–14  
1052 Budapest, Hungary

Phone +36 1 327 6333

Fax +36 1 327 6357

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[www.toyota.com](http://www.toyota.com)

# REACH-WORKSHOP



## WHO SHOULD ATTEND THE REACH WORKSHOP?

- Recycling companies
- Representatives of authorities
- Car manufacturers
- Suppliers to the automotive industry
- Lawyers and consultants of the automotive and recycling industry
- Laboratories specialized in REACH issues



## WHAT IS THE OUTCOME?

The REACH ordinance covers, among others, preparations and articles to which most of the secondary raw materials belong. Numerous recycling products contain substances under REACH (such as monomers in plastics, carbohydrates in used oil and solvents, substances in alloys, iron, elementary metals), therefore the industry has several obligations under REACH and also the new directive on classification and labelling of the substances. During the workshop the attendants will get:

- actual information on the registration process
- an update of the new guidances on the implementation of REACH in the supply chain

In addition, the participants learn how different companies fulfill their tasks by using helpdesks and other tools to make it much more easier and simple.



The workshop is directed by:



**Dr Beate Kummer**  
REACH-Expert and Toxicologist

All attendants will get a **certificate** for participating the workshop which shows "**REACH-compliance**" in the discussed topics.



**Kummer: Umweltkommunikation GmbH**  
Mülheimer Str. 7 | 53604 Bad Honnef | Germany | Phone: +49 (0) 2224 901148-0  
Fax: +49 (0) 2224 901148-1 | E-Mail: buero@beate-kummer.de | www.beate-kummer.de

For the participants of the congress a number of rooms are held at a special rate if you register **before February 18, 2011**. If you wish, you may also extend your stay at this lovely hotel at the same special rate.

## HOTEL ACCOMMODATION



### Hotel InterContinental \*\*\*\*\*

Apáczai Csere J. u. 12-14  
1052 Budapest

Hungary

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# CONGRESS PROGRAM IARC 2011

WEDNESDAY, MARCH 23, 2011

## TUESDAY, MARCH 22, 2011

17.00 – 19.00 **Registration**

## WEDNESDAY, MARCH 23, 2011

08.00 – 09.30 **Registration, welcome coffee and tea**

09.30 – 09.45 "Welcome and Introduction"  
**Prof. Wijnand Dalmijn, Chairman of the Steering Committee**

09.45 – 10.00 **OPENING SPEAKER**

10.00 – 11.00 **KEYNOTE SPEAKERS**

"The importance of car recycling for a resource-efficient Europe"  
**Rosalinde van der Vlies, European Commission, Belgium**

"Authorities and industry should work together to channel material streams to legal ways"  
**Eszter Sárosi, National Association of Recyclers (HOE), Hungary**

11.00 – 11.30 **Coffee break in the exhibition area**

**Session 1: Systems**

**Session Chairman: Dr Francesco Bonino, FIAT Research Center, Italy**

11.30 – 12.00 "ELV treatment & system in Hungary"  
**Dr Pal Lukacs, Car-Rec, Hungary**

12.00 – 12.30 "Harmonized monitoring of ELV recycling in Europe"  
**Dr Dieter Tartler, BMW AG, Germany**

12.30 – 14.00 **Lunch in the exhibition area**



**Session 2: Transboundary movement of waste**  
**Session Chairman: Ferdinand Kleppmann, CEWEP, Germany**

14.00 – 14.30 "The exportation of salvage vehicles from North America"  
**Howard Nusbaum, National Salvage Vehicle Reporting Program (NSVRP), USA**  
**Gary Moriarty, Registrar of Imported Vehicles (RIV), Canada**

14.30 – 15.00 "Efficiency and recovery versus export and disposal of waste: Change of paradigm"  
**Walter Kletzmayr, Österreichische Shredder (UV&P), Austria**

15.00 – 15.30 "The delicate balance between new technologies and increased export within future recycling management"  
**Kasper Zom, Auto Recycling Nederland (ARN), Netherlands**

15.30 – 16.00 **Coffee break in the exhibition area**

16.00 – 17.00 **PANEL DISCUSSION: "How to stop illegal export of wrecks"**

**Moderator: Roger Burri, Air Mercury AG, Switzerland**

**Participants:**

**Rosalinde van der Vlies, European Commission, Belgium**  
**Manfred Beck, Recycling International Magazine, Netherlands**  
**Dr Pal Lukacs, Car-Rec, Hungary**  
**Howard Nusbaum, National Salvage Vehicle Reporting Program (NSVRP), USA**

17.00 – 19.00 **Beer bar reception in the exhibition area sponsored by**

19.30 **Networking dinner**



# CONGRESS PROGRAM IARC 2011

THURSDAY, MARCH 24, 2011



## **Session 3: Country reports** **Session Chairman: Peter Kunze, ACEA, Belgium**

- 09.00 – 09.30 “Management of end of life vehicles in Mexico”  
**Sergio Gasca Alvarez, SEMARNAT, Mexico**
- 09.30 – 10.00 “Regulation of automotive recycling in the United States – Fact or fiction?”  
**Joseph M. Holsten and Richard Paul, LKQ Corporation, USA**
- 10.00 – 10.30 “Italian ELV up-to date situation and development”  
**Dr Salvatore Di Carlo, FIAT Group Automobiles, Italy**  
**Dr Francesco Bonino, FIAT Research Center, Italy**
- 10.30 – 11.00 **Coffee break in the exhibition area**

## **Session 4: Use and reuse** **Session Chairman: Jan Bollen, ArcelorMittal Technology, Belgium**

- 11.00 – 11.30 “Critical metals and automotive recycling”  
**John Bullock, A-1 Specialized Services & Supplies, Inc., USA**
- 11.30 – 12.00 “Recovery and classification of recycled car parts and subassemblies for re-use”  
**Prof. Dieter H. Mueller, BIK – Institute of Integrated Product Development, Germany**
- 12.00 – 13.30 **Lunch in the exhibition area**

## **Session 5: Technology** **Session Chairman: Richard Paul, LKQ Corporation, USA**

- 13.30 – 14.00 “X-traction of copper from shredder scrap by means of TITECH XRF-sensor based sorting technology”  
**Philippe Russo, ArcelorMittal R&D, France**
- 14.00 – 14.30 “Chinook energy: Advanced thermal conversion technology to generate electricity and recover metal from ASR”  
**Dr Rifat Chalabi, Chinook Energy LLC, USA**
- 14.30 – 15.00 “Closing the loop with plastics from ASR”  
**Piers Grumett, MBA Polymers UK Ltd., United Kingdom**
- 15.00 – 15.30 **Coffee break in the exhibition area**

## **Session 6: Batteries** **Session Chairman: Julien Van Damme, Honda Motor Europe Ltd., Belgium**

- 15.30 – 16.00 “Industrial batteries for hybrid electric, plug-in hybrid electric and full electric cars. What are the collection, treatment and recycling issues?”  
**Willy Tomboy, Toyota Motor Europe, Belgium**
- 16.00 – 16.30 “The producer responsibility principle under the EU Batteries Directive 2006/66/EC”  
**Dr Jean-Pol Wiaux, RECHARGE, Belgium**
- 16.30 – 17.00 “Take back and recycling of batteries for electric and hybrid vehicles”  
**Eric Nottez, SNAM, France**

from 17.00 **Cocktail reception in the exhibition area sponsored by**



# CONGRESS PROGRAM IARC 2011

THURSDAY, MARCH 24, 2011



## Parallel Session: Workshop on REACH

- 09.00 – 09.15 “Welcome and Introduction”  
**Dr Beate Kummer, Kummer: Umweltkommunikation GmbH, Germany**
- 09.15 – 10.30 **KEYNOTE SPEAKERS**
- “Update on REACH Legislation”  
**European Commission, Belgium (invited)**
- “Guidelines, registration and future tasks of ECHA”  
**Johan Nouwen, European Chemicals Agency (ECHA), Finland**
- 10.30 – 11.00 **Coffee break in the exhibition area**

**Session 1:** Reach as a risk or a chance in different branches?  
**Session Chairman:** **Dr Beate Kummer, Kummer: Umweltkommunikation GmbH, Germany**

- 11.00 – 11.30 “Reach and CLP implementation strategies for recyclers”  
**Dr Ir Alain Vassart, Arcadis Belgium NV, Belgium**
- 11.30 – 12.00 “REACH – Implementation in the automotive sector – Efforts & success”  
**Member of the auto industry REACH-TF**
- 12.00 – 13.30 **Lunch in the exhibition area**

**Session 2:** Future and actual challenges in the recycling sector  
**Session Chairman:** **Julien Van Damme, Honda Motor Europe Ltd., Belgium**

- 13.30 – 14.00 “REACH – Implementation in the plastic and steel recycling sector – Examples”  
**Dr Beate Kummer, Kummer: Umweltkommunikation GmbH, Germany**
- 14.00 – 14.30 “ExESS IT tool to manage Chemical Safety Information for REACH and GHS”  
**Frans Lemaire, LISAM Systems Group, Belgium**
- 14.30 – 15.00 “Needs for further substance information in the supply chain”  
**Eric Brasseur, ArcelorMittal Flat Carbon Europe, Luxemburg**
- 15.00 – 15.30 **Coffee break in the exhibition area**

**15.30 – 17.00** PANEL DISCUSSION: “REACH as a company’s chance or risk?”  
**Moderator:** **Manfred Beck, Recycling International, Netherlands**

**Participants:**  
**European Commission, Belgium (invited)**  
**Johan Nouwen, European Chemicals Agency (ECHA), Finland**  
**Dr Ir Alain Vassart, Arcadis Belgium NV, Belgium**  
**Dr Beate Kummer, Kummer: Umweltkommunikation GmbH, Germany**

from 17.00 **Cocktail reception in the exhibition area sponsored by**



## PLANT TOURS IARC 2011

FRIDAY, MARCH 25, 2011

### ALCUFER KFT., FEHÉRVÁRCSURGÓ



09.00	Departure by bus to Alcufer Kft., Fehérvárcsurgó
11.00	Arrival at Alcufer Kft., Fehérvárcsurgó
<b>11.00 – 13.00</b>	<b>Visit of the shredder plant</b>
16.30*	Arrival at the airport Ferihegy in Budapest
17.00	Arrival at the Hotel InterContinental Budapest

**Alcufer Kft.** was established on 30<sup>th</sup> of March 1990. The company is one of the most important enterprises in the local waste industry; both in treated volume and turnover. Since 2004 Alcufer is member of the Hungarian 500 biggest turnover and tax performance making companies.

Core business profiles are waste trading, processing, servicing and hazardous waste handling and transporting. With more than 400 thousand tons of waste turnover per year, Alcufer has a significant role in the Hungarian waste market. Providing services in 16 scrap yards to the partners and with cooperating partner companies Alcufer represents itself in 38 towns in Hungary, building up local network in the whole country. To Alcufer's working infrastructure belong 120 trucks, 80 machines, 60 private waggons, 15 modern hazardous waste halls and more than 2000 containers. The whole system is operated by more than 300 employees.

From its sales point Alcufer delivers Hungarian, Austrian, Italian, German, Slovak and Slovenian customers. The company has significant participation at CAR-REC Nonprofit Kft., which is coordinating the old car recycling in Hungary and which is a member of the accumulator coordinating company, HUNGAROHAB Nonprofit Kft.

[www.alcufer.hu](http://www.alcufer.hu)

\* No guarantee on arrival time due to traffic conditions.

# ALCUFER

IPARI, KERESKEDELMI ÉS SZOLGÁLTATÓ KFT.

*"A felelős hulladékkezelés"*

#### TEVÉKENYSÉGEINK

- Hulladékgyűjtés, -feldolgozás
- Veszélyes hulladékok kezelése, -szállítás
- Fém- és haszonáru kereskedelem
- Komplex hulladékkezelés és szaktanácsadás
- Ipari berendezés- és létesítménybontás
- Roncsautó átvétel, autóbontás

#### TELEPHELYEINK

Győr, Flaktán u. 2.	Tel.: 96/550-272
Alka, Zagyvai tér 3.	Tel.: 88/500-084
Esztergom, Schwabcsé u. 50/c.	Tel.: 33/510-320
Fehérvárcsurgó, Moharókövi Ipartelep	Tel.: 22/418-320
Kecskemét, Halasi út hrsz. 9425/55	Tel.: 30/485-4741
Körmenád, Hókock u. 14B.	Tel.: 94/594-440
Mosonmagyaróvár, Timföldgyán u. 1.	Tel.: 96/574-145
Nagykanizsa, Csengeri u. 80.	Tel.: 93/510-2655
Pécs, Csorvás I.rételek	Tel.: 72/525-127
Sálgótarján, Sárgó u. 33.	Tel.: 32/513-030
Sopron, Ipari krt. 14.	Tel.: 99/505-347
Szombathely, Mária u. 5.	Tel.: 84/511-964
Szolnok, Gyökér u. 2.	Tel.: 56/521-407
Vecserés, Szachenyi u. 152.	Tel.: 29/356-490
Veszprém, Házgyán u. 3.	Tel.: 88/560-330
Zalaegerszeg, Zrínyi M. u. 6.	Tel.: 92/598-481

Cím: 9023 Győr, Mészáros L. u. 13. ■ Tel.: +36-96/ 512-700, +36-96/519-715, +36-96/519-716

Fax: +36-96/ 512-709 ■ E-mail: [info@alcufer.hu](mailto:info@alcufer.hu) ■ [www.alcufer.hu](http://www.alcufer.hu)

## PLANT TOURS IARC 2011

FRIDAY, MARCH 25, 2011

### AUDI HUNGARIA MOTOR KFT., GYÖR

Audi  
Hungaria



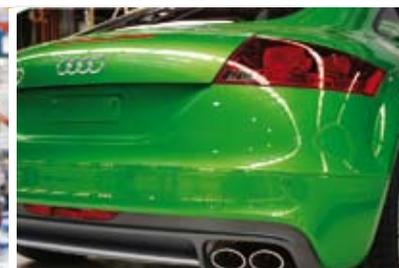
09.00	Departure by bus to Audi Hungaria Motor Corp., Győr
11.00	Arrival at Audi Hungaria Motor Corp., Győr
<b>11.00 – 13.00</b>	<b>Visit of the automobile manufacturing plant</b>
15.30*	Arrival at the airport Ferihegy in Budapest
16.00	Arrival at the Hotel InterContinental Budapest

**High-Tech Engines from Győr** – Audi Hungaria Motor Ltd. was established in 1993. The engine plant was opened in Hungary in October 1994. Through this new plant in Győr not only was international competitiveness achieved, but an important site with strategic significance was established in Hungary, which continues to grow in importance. Today, nearly all the engines fitted in Audi vehicles come from Győr. In total, 25 basic engine types are produced in Győr in around 450 variants of 4-, 6-, 8- and 10-cylinder engines. The aim of Audi Hungaria is to widen the product palette and increase the production of engine components in Győr.

**Car Manufacturing** – Preparation work began in Győr in 1997 for assembling vehicles. Series production of Audi TT models started in April 1998. In April 2006 and in November 2006 respectively, the first car of the second generation Audi TT Coupé and Audi TT Roadster rolled off the lines at Audi Hungaria.

**Environmental Protection** – Environmental protection at Audi has the same priority as quality and productivity and is a part of the corporate strategy. For this reason, an Environment Management System based on the "EMAS" standard was introduced within the company in 1999, and is certified annually by an independent auditing institute. The Environment Management System at Audi Hungaria has also been in accordance with the requirements of ISO 14001 standards since 2002. All of the processes used at the company are in accordance with the guidelines of the environment management system. The company has been recognized with numerous prizes for its leading role in the area of environmental protection, including the EU's EMAS award (five times), the Öko-Profit prize (3 times) and the Central European Environmental Reporting Award. [www.audi.hu](http://www.audi.hu)

\* No guarantee on arrival time due to traffic conditions.



## PLANT TOURS IARC 2011

FRIDAY, MARCH 25, 2011

### MAGYAR SUZUKI CORPORATION, ESZTERGOM ALCUFER KFT., ESZTERGOM



08.00	Departure by bus to Magyar Suzuki Corp., Esztergom
10.30	Arrival at Magyar Suzuki Corp., Esztergom
<b>10.30 – 12.00</b>	<b>Visit of the car manufacturing plant</b>
12.00	Departure by bus to Alcufer, Esztergom
12.30	Arrival at Alcufer, Esztergom
<b>12.30 – 14.30</b>	<b>Visit of the car dismantling &amp; vehicle drainage plant</b>
17.30*	Arrival at the airport Ferihegy in Budapest
18.00	Arrival at the Hotel InterContinental Budapest

**Magyar Suzuki Corporation** was established by its major shareholder Suzuki Motor Corporation in 1991. The kick-off model, Swift rolled off the production line in 1992, followed in 2000 by Wagon R+, Ignis in 2003, the 2nd generation Swift in 2005, SX4 in 2006, Splash in 2008 and the new Swift in June 2010. By now over a million and a half Suzuki vehicles – assembled in the Esztergom factory – are used on domestic and European roads. Since the factory was set up, the company has spent more than HUF 280bn on development. In addition to 3900 jobs at the Suzuki factory, the company provides jobs for thousands of people in Hungary through its circle of suppliers. Apart from the emphasis it places on quality, Magyar Suzuki aspires to an environmentally conscious mode of operation. The technology in use at the Esztergom factory is in line with ISO 14 001 environmental and ISO 9001 quality assurance standards. All models currently assembled at Esztergom are built with engines complying with Euro 5 environmental standards. [www.suzuki.hu](http://www.suzuki.hu)

**Alcufer** is working in Esztergom very close together with the automotive manufacturer (Magyar Suzuki Corp.) and with its suppliers (TYCO, Diamond Electric, Rába, Kirchhoff). Alcufer's main profile is the service in the car manufacturing plant – in three shifts, all day and night – with tens of colleagues mostly at the end of the production lines. The service covers the collection, pre-treatment of dangerous and non dangerous wastes and their take-over to the proper waste processors (smelters, recyclers, neutralizers or for landfill). Primarily the waste-treatment yard is working with industrial partners. The resident population may also use it for disposal of End of Life Vehicles (ELV's). For removing the fluids Alcufer uses SEDA equipment. After pre-treatment the car bodies are delivered to the Alcufer's Fehérvárcsurgó shredding plant. [www.alcufer.hu](http://www.alcufer.hu)

\* No guarantee on arrival time due to traffic conditions.



**ALCUFER**  
IPARI, KERESKEDELMI ÉS SZOLGÁLTATÓ KFT.



# PLANT TOURS IARC 2011

FRIDAY, MARCH 25, 2011

## MÜ-GU KFT., BUDAPEST



09.00	Departure by bus to Mü-Gu Kft., Budapest
09.30	Arrival at Mü-Gu Kft., Budapest
<b>09.30 – 11.00</b>	<b>Visit of the shredder and car dismantling plant</b>
12.00*	Arrival at the airport Ferihegy in Budapest
12.30	Arrival at the Hotel InterContinental Budapest

**Mü-Gu Ltd.** was established in 1989 with a 100% foreign ownership share, and is owned by the Austrian company Müller-Guttenbrunn GmbH Amstetten, today a market leader in its home country due to nearly sixty years of achievements in metal waste processing and management. The company entered the Hungarian metal waste processing market in 1992, and with a sales volume exceeding 100,000 tons per year by 2003, it has obtained a substantial market share.

During more than ten years of its operation, the company has set up a modern scrap yard for steel and metal waste from Hungary at its Budapest site of 30,000 square metres, as a result of consistent development, the observance of European environmental management standards and an up-to-date approach to the environment. The processing plant has a shredder, hydraulic shears, an induction sorter and screen, and a modern vehicle fleet for moving waste.

Following the accession of Hungary to the European Union Mü-Gu Ltd. as an active participant of the harmonization process involving legislation pertaining to waste materials ensured that disposal and processing of both car wrecks and electronic wastes, and the delivery to industrial plants were performed in compliance with the strictest of requirements, while observing the interests of our partners at the same time.

Our company was awarded an ISO 9001 certification for quality management in 1997, an ISO 14001 certification for environment management in 2004, and also an OHSAS 18001 certification for occupational health and safety management in 2010.

[www.mugu.hu](http://www.mugu.hu)

\* No guarantee on arrival time due to traffic conditions.



**Müller-Guttenbrunn**  
Waste Material Processing and Trading Ltd.

Mü-Gu Kft. is one of Hungary's most prominent waste processing companies. Our activities include the expert acceptance, processing and sale of iron, metal, scrap-car and electronic wastes. Our acknowledged position in the market, now stable for two decades, is guaranteed by the coordination of our social communication and market behaviour, and also by continuous developments. We are flexible, but our basic principles are constant:



- Use of state-of-the-art and efficient technologies
- Absolute compliance with Hungarian and EU environmental standards
- Maintaining existing relations with suppliers and seeking new ones
- Strong European and international sales contacts
- Long-term strategic thinking
- Continuously audited work of consistent quality
- Responsible approach towards the future of our environment

Your partner means business...  
Müller-Guttenbrunn Gruppe

## NETWORKING DINNER



## BEAUTIFUL BUDAPEST



On Wednesday, March 23, a special networking dinner will be organized. For participants, the networking dinner is included in the registration fee.

Don't miss this perfect possibility to meet your business partners and enjoy a lovely evening.



Meet friends and business partners in a nice atmosphere!



### **Budapest – Ideal for business or leisure**

Budapest is the capital of Hungary, with nearly 2,000,000 inhabitants. Not only it is the centre of administration but also that of industry, trade, transport and traffic, education, culture, arts and sports.

Budapest ranks among the world's most romantic and entertaining capitals. It is a place of broad boulevards and green parks, grand

Art-Nouveau mansions and brightly painted churches, lively cafés and top-class music venues. The city is divided into two parts (Buda and Pest) by the River Danube which is spanned by several elegant bridges.

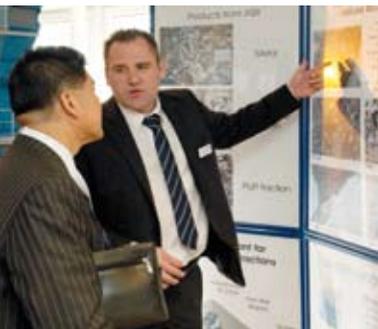
This wonderful city can easily be reached by plane, train and car. The distance from the Hotel InterContinental to the "Ferihegy Airport (BUD)" is 24 km. The Nyugati train station is close by.



[www.budapestinfo.hu/en](http://www.budapestinfo.hu/en)

## EXHIBITION AND POSTER PRESENTATIONS

## EXHIBITION



A special exhibition area 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 € 3'500.- and for a poster presentation € 250.- for the full time of the conference.

Space is limited, so take the chance and book your exhibition stand or your poster presentation today!



As per December 6, 2010:



**Bano Recycling s.r.l., Italy**



**Duesmann & Hensel Recycling GmbH, Germany**



**Eldan Recycling A/S, Denmark**



**HAMMEL Recyclingtechnik GmbH, Germany**



**IRIS-MEC Srl, Italy**



**MagPro Recycling Systems, France**



**SEDA-Umwelttechnik GmbH, Austria**



**SNAM, France**



**Steinert Elektromagnetbau GmbH, Germany**



**TiTech GmbH, Germany**



**UNTHA shredding technology, Austria**

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## WHO SHOULD ATTEND?

- Automobile manufacturers
- Automotive parts and materials suppliers
- Automobile importers and dealers
- Recycling and dismantling companies
- Shredding companies
- Ferrous and non ferrous metal traders
- Plastics industry
- Non ferrous metal industry
- Ferrous and stainless steel industry
- Collection and transportation companies
- Financing organizations for ELV recycling
- Environmental authorities
- Universities and research institutes
- Laboratories for material science

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MOSER**  
Congress Assistant

Registration for the congress should be made by means of the registration form. Participants registering and paying **before January 31, 2011** will benefit from a reduced registration fee. The registration fee includes congress, entrance to the exhibition, networking dinner, proceedings and luncheons.

## REGISTRATION FEES

	before January 31, 2011	after January 31, 2011
<b>Congress Fee</b>		
Fee for participants	€ 1'450.-	€ 1'550.-
Fee for speakers	€ 850.-	€ 890.-
Fee for students	€ 550.-	€ 590.-

### Plant tours (March 25, 2011):

– Alcufer Kft.	€ 30.-	€ 50.-
– Audi Hungaria Motor Kft.	€ 30.-	€ 50.-
– Magyar Suzuki Corp. & Alcufer Kft.	€ 30.-	€ 50.-
– Mü-Gu Kft.	€ 30.-	€ 50.-

### Accompanying Person (spouse)

Networking dinner (March 23, 2011)	€ 110.-	€ 120.-
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Registration on site € 100.- surcharge

### Additional Proceedings

If it is not possible for you to attend the congress, you may purchase the complete proceedings at € 350.-. 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  
Bank: Neue Aargauer Bank, 5400 Baden, Switzerland  
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