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WASTE-TO-ENERGY

September 18 and 19, 2017

Vienna Marriott Hotel | Parking 12a | 1010 Vienna, Austria

INTERNATIONAL DEVELOPMENT

EU Policies and Developments • Country Reports • Strategy

WASTE INCINERATION

Technology of Waste Incineration • Energy Efficiency and Use
 Experience with Materials and Corrosion • Flue Gas Treatment
 Example Plants and Experiences in the Plant Construction and Operation

ALTERNATIVE WASTE-TO-ENERGY PROCESSES

Mechanical-Biological Treatment • Utilization of Solid Recovered Fuels
 Pyrolysis and Gasification



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Dipl.-Ing. Klaus-Günther Zink

Deputy Chief Executive of the Environment Sector, CNIM S.A., La Seyne-sur-Mer CEDEX, France

Plenary Session

9:00 Welcome Address

Professor Dipl.-Ing. Dr. techn. Franz Winter, Vienna University of Technology, Austria

Opening Remarks

Elisabeth Thomé-Kozmiensky, M.Sc.

EU Policies and Developments

PRESENTATION: PROFESSOR DIPL.-ING. DR. TECHN. FRANZ WINTER

9:15 The Commission's Communication on Waste-to-Energy under the Energy Union

Jose Jorge Diaz del Castillo

Unit Waste Management & Secondary Materials

DG Environment, European Commission, Brussels, Belgium

9:45 Brexit – Effects on European Waste Management

Kirsten Berry

Director of hendeca ltd, Witney, United Kingdom

10:15 What are the Preconditions and Drivers for the Development of Waste Management in a Country?

Dr. Ella Stengler, Managing Director

CEWEP – Confederation of European Waste-to-Energy Plants e.V., Brussels, Belgium

10:45 Coffee Break

Country Reports

PRESENTATION: DR. ELLA STENGLER, ATTORNEY DR. TOBIAS FABER

11:30 Waste Management Situation and Perspectives in the United Kingdom

Marian Holliday, Deputy Director in Commercial Policy Division

Department for Environment, Food & Rural Affairs, London, United Kingdom (enquired)

11:40 Possibilities of Development of Municipal Waste Recycling and Incineration in Poland

Andrzej Kaźmierski, Director of Renewable Energy Department

Ministry of Energy, Warsaw, Poland (enquired)

11:50 Progress on Implementing an Advanced Waste Management System in the Czech Republic

Ing. Jaromír Manhart, Director of Department of Waste Management

Ministry of the Environment, Praha, Czech Republic

12:00 Problematic Development of Implementation of WtE Projects in Slovakia

Associate Professor Emília Hroncová

Matej Bel University, Department of Environmental Management, Banská Bystrica, Slovakia

12:10 Waste Management Situation and Future Development in Croatia

Mihael Zmajlović, B. Econ.

Member of Parliament, Zagreb, Croatia

Dipl.-Ing. Dr. mont. Renato Sarc, Chair of Waste Processing Technology and Waste Management

University of Leoben, Austria

12:20 Waste Management Situation and Perspectives in Bosnia and Herzegovina

Dr. sc. Mehmed Cero, Assistant Minister on Environment

Federal Ministry on Environment and Tourism, Sarajevo, Bosnia and Herzegovina

12:30 Waste Management Situation in India

Dr. Atul N Vaidya, Chief Scientist & Head

CSIR – National Environmental Engineering Research Institute (NEERI),

Solid & Hazardous Waste Management, Nagpur, Maharashtra, India (enquired)

12:40 Panel Discussion

13:30 Lunch Break

Strategy

PRESENTATION: PROFESSOR ING. DAGMAR JUCHELKOVÁ, PH.D.

15:00 Waste Management Projects in Emerging Markets: Risks and their Minimization

Dr. Tobias Faber, Attorney I Partner

Hogan Lovells International LLP, Frankfurt am Main, Germany

15:30 Think Global – Act Local: a Common Approach for International Projects and Local Markets

Andres Kronenberg, Vice President Marketing and Sales

Hitachi Zosen Inova AG, Zurich, Switzerland

16:00 How Oxford County (UK) Managed to Close its Landfill with a Successful Association of Material-from-Waste and Energy-from-Waste Solutions

Christophe Cord'Homme, Business & Products Development Director

CNIM Constructions Industrielles de la Méditerranée S.A., Paris, France

16:30 Coffee Break

PRESENTATION: DR.-ING. STEPHANIE THIEL

17:00 Impact of EU Legislative Developments on the Waste-to-Energy Sector

Patrick Clerens, Secretary General

European Suppliers of Waste to Energy Technology (ESWET), Brussels, Belgium

17:30 Waste Management 4.0 at the North/South/West/East Viewpoint

Professor Ing. Dagmar Juchelková, Ph.D., Energy Engineering Department

Technical University of Ostrava (VŠB-TUO), Czech Republic

18:00 Waste Management: A Playground for Utopians and Charlatans

Dipl.-Chem.-Ing. Luciano Pelloni,

Waste Management Advice, Au, Switzerland

Open Bar

Evening Event

Incineration

Example Plants and Experiences in the Plant Construction and Operation

PRESENTATION: SECRETARY GENERAL PATRICK CLERENS, ESWET

- ▶ **8:30 Waste Incineration Plant Pfaffenau – Technology, operational data and energy use –**
Gerald Gritzner
WKU Wiener Kommunal-Umweltschutzprojektgesellschaft mbH, Vienna, Austria
- ▶ **9:00 Revamping Projects in the Waste-to-Energy Boilers in Brussels, Paris and Rome**
Agostino Calcagno, Chief Executive Officer
Ph.D. Eng. Joao Parente, Project Engineer, Eng. Luigi Bagnoli, Thermal Engineer
Ruths S.p.A., Genova, Italy
- ▶ **9:30 Optimization of Plant Operation by Means of Technical Service**
Dipl.-Ing. Michael Mück, Process Technology
Steinmüller Babcock Environment GmbH, Gummersbach, Germany
- ▶ **10:00 Minimisation of Fire Risks in Waste Processing Installations and Waste-to-Energy Plants – Early Fire Detection and Automatic Extinguishing –**
Dipl.-Wirt.-Ing. Albert Orglmeister
Managing Director of Orglmeister Infrarot-Systeme GmbH & Co. KG, Walluf, Germany
- ▶ **10:30 Coffee Break**

PRESENTATION: DIPL.-ING. KLAUS-GÜNTHER ZINK

- ▶ **11:00 Suez Approach to Optimise Energy Efficiency**
Frédéric Aguesse, Vice President of Technical Center EfW SUEZ
SUEZ Environment, Paris, France
- ▶ **11:30 Waste-to-Energy Powered Steam Network ECLUSE: An Example of Energy Clustering with the Chemical Industry**
Jan-Kees De Voogd, Regional Business Development Manager MSW
Indaver nv, Mechelen, Belgium
- ▶ **12:00 Capturing of CO₂ in Waste Incineration Plants towards Power2Fuel**
Dipl.-Ing. Torsten Buddenberg, Product Manager – New Products
Dr.-Ing. Christian Bergins, Product Management
Mitsubishi Hitachi Power Systems Europe GmbH, Duisburg, Germany
- ▶ **12:30 Lunch Break**

PRESENTATION: PROFESSOR DIPL.-ING. DR. TECHN. HELMUT RECHBERGER

- ▶ **14:00 Key Note Lecture: Thermo-Recycling**
Dipl.-Ing. Ulrich Martin, Managing Director
Dr. Axel Hanenkamp, Head department manager technology
Martin GmbH für Umwelt- und Energietechnik, Munich, Germany
- ▶ **14:30 Online Determination of Elementary and Fractional Waste Composition for Municipal Solid Waste Incineration Plants**
Dipl.-Ing. Tobias Widder, Professor Dr.-Ing. Michael Beckmann
Technical University Dresden, Germany
Dipl.-Ing. Philip Reynolds
Managing Director of ERC Technik GmbH, Buchholz i.d.N., Germany
- ▶ **15:00 Impact of the Increased Fraction of Industrial Waste on the Emissions from Waste-to-Energy Plants**
Assistant Professor Dr.-Ing. Federico Viganò
Politecnico di Milano, Department of Energy, Milan, Italy
LEAP – Laboratorio Energia e Ambiente Piacenza, Italy
Alessandro Cerrano, M.Sc.
Politecnico di Milano, Department of Energy, Milan, Italy
- ▶ **15:30 Final Coffee Break**

Alternative Waste-to-Energy Processes

Mechanical(-Biological) Waste Treatment and Energy Recovery from Solid Recovered Fuels

PRESENTATION: DIPL.-ING. DR. MONT. RENATO SARC

- ▶ **8:30** **Planning, Construction and Operation of Mechanical-Biological Waste Treatment Plants – Experience Gained in International Projects –**
Dipl.-Ing. Burkart Schulte
Vice-Chairman of the Board of Center for Research, Education and Demonstration in Waste Management (CReED) e.V.
- ▶ **9:00** **High Calorific Fraction for Energy Recovery in Poland – an Overview of the Current Situation –**
Assistant Professor Dr.-Ing. Emilia den Boer
Section of Waste Technology and Land reclamation
Wroclaw University of Science and Technology, Poland
- ▶ **9:30** **Processing of Household Waste and Energy Recovery from the High Calorific Fraction by Incineration Together with Sewage Sludge in the Fluidized Bed Furnace in Simmeringer Haide**
Dipl.-Ing. Dr. Friedrich Kirnbauer, Operating Technology
Wien Energie GmbH, Austria
- ▶ **10:00** **Single Stage Processing of Waste for Cost Efficient RDF Production**
Ing. Mag. Michael Lackner
Managing Director of Lindner-Recyclingtech GmbH, Spittal/Drau, Austria
- ▶ **10:30** **Coffee Break**

PRESENTATION: PROFESSOR DIPL.-ING. DR. TECHN. KARL E. LORBER

- ▶ **11:00** **Camera Based Optimization of Multi-Fuel Burners for the Use of Substitute Fuels in the Cement Industry**
Dr. André Dittrich, Head of Industry
ci-tec GmbH, Karlsruhe, Germany
Dr. Hubert B. Keller
Karlsruher Institut für Technologie (KIT), Eggenstein-Leopoldshafen, Germany
- ▶ **11:30** **Hot Disc Technology for Co-Incineration of Coarse Substitute Fuels – Operational Experience at the Rohožník Cement Plant –**
Dipl.-Ing. Juraj Cíž
Managing Director of ecorec Slovensko s.r.o., Pezinok, Slovakia

Pyrolysis and Gasification

- ▶ **12:00** **Achieving a Closed Carbon and Circular Economy for the Waste Management Sector – Net Zero Emissions, Resource Efficiency and Conservation through a Coupling of the Energy, Chemical and Recycling Sectors –**
Dipl.-Wi.-Ing. Alexander Laugwitz, Dipl.-Ing. Friedemann Mehlhose
Professor Dr.-Ing. Bernd Meyer, Institute Director
Dr. Roh Pin Lee, Technology Assessment Research Group Leader
Florian Keller, M.Sc., Dipl.-Ing. Christian Wolfersdorf
Institute of Energy Process Engineering and Chemical Engineering
TU Bergakademie Freiberg, Germany
- ▶ **12:30** **Lunch Break**

PRESENTATION: DIPL.-ING. MARKUS GLEIS

- ▶ **14:00** **The Role of Pyrolysis in Distributed Town-scale Energy Systems and Research Results from a Pre-commercial Facility Processing Waste-derived Feedstocks**
Dr. Nelia Jurado Pontes, Professor E. J. Anthony, Dr. Stuart Wagland
Cranfield University, School of Water, Energy and Environment, United Kingdom
Mark Harradine, Technical Director, Shaun Gomm, Finance Director
Syngas Products Group Ltd., Dorset, United Kingdom
- ▶ **14:30** **Status of Planning and Construction of Gasification Plants in the United Kingdom**
Timothy Kast, M.Sc. Ch.E., P.E., Senior Process Engineer
Jim Starkey, BSME, Business Development Manager
Matthew Pierson, BSME, Business Development Manager
Mike L. Murphy, M.Sc. Ch.E., Vice President
Outotec (USA) Inc., Energy Products, Coeur d'Alene, USA
- ▶ **15:00** **Operating Experience from Japanese Waste Gasification Plants with Direct Melting System**
Nobuhiro Tanigaki, M.Sc., Chief Technical Manager
Nippon Steel & Sumikin Engineering Co., LTD.
- ▶ **15:30** **Final Coffee Break**

Flue Gas Treatment

PRESENTATION: DR. IR. ROBERT VAN KESSEL

- 8:30 Key Note Lecture: Air Pollutant Emissions and their Control with the Focus on Waste Incineration Facilities**
Dr.-Ing. Margit Löschau
Managing Director of wandschneider + gutjahr ingenieurgesellschaft mbh, Hamburg, Germany
- 9:00 Low-Temperature SCR with Intelligent and Cost-Effective Regeneration without Excess Emissions**
Mario Marcazzan
Technical Director of Vinci Environnement, Rueil-Malmaison Cedex, France
- 9:15 SNCR Technology to Meet Challenging NO_x-Reduction Requirements**
Dr.-Ing. Wolfgang Schüttenhelm, Senior Vice President Business Development & Technology
ERC Emissions-Reduzierung-Concepte GmbH, Buchholz i.d.N., Germany
- 9:30 Flue Gas Cleaning in Waste-to-Energy – Best Available Technology –**
Dipl.-Ing. Christian Fuchs, Deputy Managing Director and Sales Manager
LAB GmbH, Stuttgart, Germany
- 9:45 Dry, Semidry or Wet – Which System Fits Best Depending on the Overall Conditions?**
Dipl.-Ing. Ruediger Margraf
Managing Partner of LUEHR FILTER GmbH & Co. KG, Stadthagen, Germany

10:00 Discussion

10:30 Coffee Break

PRESENTATION: DR.-ING. MARGIT LÖSCHAU

- 11:00 Experience with Ground Sodium Bicarbonate**
Dipl.-Ing. Jean-Pascal Balland, Dipl.-Ing. Kai Sartorius
Solvay Chemicals GmbH, Rheinberg, Germany
- 11:15 Mercury Removal by Chemisorption**
Dr.-Ing. Wolfgang Esser-Schmittmann
President of Carbon Service & Consulting GmbH & Co. KG, Vettweiß, Germany
- 11:30 Mercury Accident at the Stuttgart Waste Incineration Plant in September 2015 – Cause, Countermeasures and Prevention of Future Incidents –**
Dr. Christian Gabriel, Head of Maintenance
EnBW, RMHKW Stuttgart, Germany
- 11:45 Innovative Technical Solutions for Reduction of Waste Material Specific Emissions in Cement Plants**
Dipl.-Ing. Dr. mont. Renato Sarc, Professor Dipl.-Ing. Dr. mont. Roland Pomberger
Chair of Waste Processing Technology and Waste Management
University of Leoben, Austria
- 12:15 Discussion**
- 12:30 Lunch Break**

Experience with Materials and Corrosion

PRESENTATION: DR. RER. NAT. GABRIELE MAGEL

- 14:00 Get to Know the Corrosion Mechanisms in Waste-to-Energy Plants**
Dr. rer. nat. Gabriele Magel, Project Management
CheMin GmbH, Augsburg, Germany
- 14:15 Corrosion Behaviour of Radiant Superheaters in a Waste-to-Energy Steam Generator – Operation Experience in St. Omer –**
Fares Maad, Ingénieur Direction technique, Maintenance Incinération
Veolia, France
Désiré Bendahan, Head of Tendering Department
CNIM S.A., La Seyne-sur-Mer Cedex, France
- 14:30 Ceramic Coating in a High-Pressure Waste-to-Energy Steam Generator – Operational Experience in Bilbao –**
Ildefonso Goikoetxea, Director de Explotacion y Desarrollo
Zabalgarbi S.A., Bilbao, Spain
Eddie Marcarian, Head of Department *Chaudières et Combustion*
CNIM S.A., La Seyne-sur-Mer Cecex, France
- 14:45 Fifteen Years of Operating Experience with Thick Nickel Plating**
Dipl.-Ing. Jörg Eckardt
Ralf Senff-Wollenberg, Dipl.-Ing. Johann-Wilhelm Ansey
Standardkessel Baumgarte GmbH, Bielefeld, Germany
- 15:00 Latest Development on High Velocity Thermal Spray (HVTS) and it's Critical Success Factors to Provide Life Time Extension to Pressure Parts in Energy-from-Waste**
Dr. Daniel Spálenka, Director European Business Development
IGS Europe, s.r.o., Holasice, Czech Republik
- 15:15 Discussion**
- 15:30 Final Coffee Break**

Books



Editors:	Waste Management, Vol. 1 – 2: Waste Management, Vol. 3 – 6:	Karl J. Thomé-Kozmiensky, Luciano Pelloni Karl J. Thomé-Kozmiensky, Stephanie Thiel
Waste Management, Volume 1 (2010)	ISBN: 978-3-935317-48-1	includes translations in Polish or German 20.00 EUR
Waste Management, Volume 2 (2011)	ISBN: 978-3-935317-69-6	Language: English, 50.00 EUR
CD Waste Management, Volume 2	ISBN: 978-3-935317-70-2	Polish and German
Waste Management, Volume 3 (2012)	ISBN: 978-3-935317-83-2	50.00 EUR
CD Waste Management, Volume 3	ISBN: 978-3-935317-84-9	Language: miscellaneous
Waste Management, Volume 4 (2014)	ISBN: 978-3-944310-15-2	50.00 EUR
Waste Management, Volume 5 (2015)	ISBN: 978-3-944310-22-0	120.00 EUR
Waste Management, Volume 6 (2016)	ISBN: 978-3-944310-29-9	120.00 EUR

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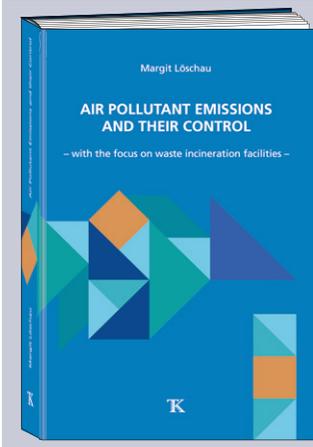
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Air Pollutant Emissions and their Control

– with the focus on waste incineration facilities –



Author: Margit Löschau
Publisher: TK Verlag Karl Thomé-Kozmiensky
Release: 2017
Hardcover: 480 pages
 307 coloured images
Language: English
ISBN: 978-3-944310-36-7
Price: 120.00 EUR



This comprehensive text and practical handbook thoroughly presents the control of air pollutant emissions from combustion processes focusing on waste incinerators. Special characteristics are emphasised and the differences to emission control from combustion processes with other fuels are explained.

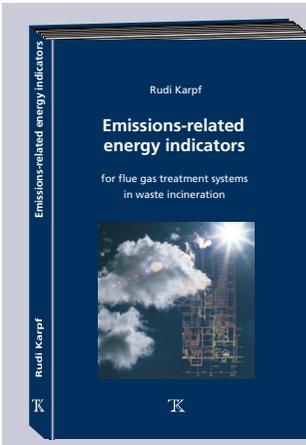
The author illustrates the origin and effects of air pollutants from incineration processes, the mechanics of their appearance in the incineration process, primary and secondary measures for their reduction, processes of measuring the emissions as well as the methods of disposing the residues. In particular, the pros and cons of procedural steps and their appropriate combination under various conditions are emphasised.

Moreover, the book contains information and analyses of the emissions situation, the consumption of operating materials and of backlog quantities as well as of the cost structure of waste incinerators with regard to their applied control system. Furthermore, the author explicates the contemporary legal, scientific and technological developments and their influence on air pollutant emission control. An evaluation of the status quo of air pollutant control at waste incinerators in Germany, practical examples about possible combinations and typical performance data complete the content.

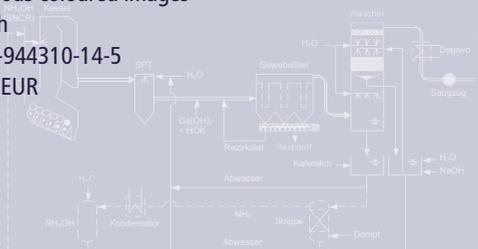
Accordingly, this book is a guideline for planing a reasonable overall concept of an air pollutant control that takes the location and the segregation tasks into consideration. This book is addressed to students, decision makers, planners and the operating practitioners if for example the construction of a new system or the implementation of improvement measures have to be conducted.

Emissions-related energy indicators

– for flue gas treatment systems in waste incineration –



Author: Rudi Karpf
Publisher: TK Verlag Karl Thomé-Kozmiensky
Released: 2014
Hardcover: 144 pages
 numerous coloured images
Language: English
ISBN: 978-3-944310-14-5
Price: 30.00 EUR



The aim of this study is to demonstrate such discrepancies or dependencies between attainable emission reductions and the emissions-generating energy input necessarily incurred by flue gas treatment technologies in attaining those reductions.

The study initially focuses on current investigations and assessments related to this issue, as well as on the legal emission requirements. Due to the wide range of components involved in flue gas treatment systems and their consequent numerous combination possibilities, six different system Variants are presented and compared. It is notable in the context of the present study that both single and two-stage or multi-stage systems are considered in the set of Variants, which differ not only in their structure and additive use but also in their separation capacity. These six basic Variants reflect the systems frequently employed in practice and represent non-congruent procedural steps with their respective target emission levels. Based on the fact that each of these Variants is already in operation in thermal waste incineration plants, the assessment draws on many years of existing operative experience.

The individual energy demands for the Variants described are determined on the basis of mass, material and energy balances.

Evaluation criteria for energy demand at the different emission reduction ratios are deduced from the formulation of emissions-related energy indicators. This establishes a set of tools with which to assess emissions-generating energy demand in the context of emission reduction ratios.

Conditions of Participation and Services

How to register

With the registration you acknowledge the **terms and conditions** of TK Verlag Karl Thomé-Kozmiensky as binding. The registration of participants must be in writing either by e-mail, by post, by fax or online using the registration form, as far as possible September 13, 2017. Please use a separate form for each person. It is not possible to register only for parts of the event, unless stated otherwise in the programme. On receipt of your application we will send you an invoice for your participation fee by post, which also serves as a confirmation of your registration.

The organizers will provide a reduced congress registration fee for participants from economically weak countries, including the new EU-member states (countries that joined the EU in the year 2004 or later). With the term „economically weak countries“ the organizers mean those countries, defined as „low and middle income economies“ by the World Bank.

The IRRIC 2017 entry fees are defined on the basis of one person and cover two days of participation at the congress. Delegates of the IRRIC can register additionally for the guided tour to waste disposal plants in Vienna on Wednesday (September 20). There is a limitation of participants. Registrations are considered in the order they are received and are subject to the availability of adequate space. The registration is binding.

If you are unable to attend the congress, your registration can be delegated to a substitute person. Cancellation requests must be received in writing on or before the cancellation deadline of August 20, 2017. Written notifications are accepted via email, post or fax. Cancellations received on or before **August 20, 2017** will receive a refund of the paid fees minus an administration fee of 50,- EUR + 20 % VAT. Cancellations received after the deadline will not be issued a refund. Any unpaid congress fees are due and payable to TK Verlag Karl Thomé-Kozmiensky. Congress documents will be sent to registered attendees, who were unable to participate.

If the congress must be cancelled or moved to another date, all registered participants will be informed instantly. For losses resulting from the cancellation of the congress TK Verlag Karl Thomé-Kozmiensky is not liable. The invoice amount already paid by the participants will be refunded immediately.

The programme is subject to alterations.

Congress fees

890,- EUR + VAT.

Regular fee for participants from the EU-15 and EFTA countries, and overseas

450,- EUR + VAT.

Reduced fee for participants from other EU-member states or from low and middle income economies

390,- EUR + VAT

Reduced fee for full-time professionals of public authorities or universities

100,- EUR + VAT.

Reduced fee for full-time students

Students Please Note: With regards to the reduced registration fee Students are defined as those without a permanent employment (at an organization or a university), those with only marginal employment or a comparable low scholarship.

Visa Letter:

A letter of invitation can be provided upon request for the registered congress participants. Please contact the Organizing Committee, if you require an invitation letter.

The fee comprises:

- Attendance at all presentations
- Coffee breaks and luncheons for both days
- Participation at the networking dinner on September 18, 2017
- Congress documents: 1 Book, Proof-of-entry (also serves as name tag), List of speakers and participants, Final program

Complementary programme

20,- EUR + VAT. Guided tour on September 20, 2017

The fee comprises:

- Pick up and return from Vienna Marriot Hotel (approx. 9 am - 3 pm)
- Transportation between the waste disposal sites
- Guided tour at each site in English
- Group size of max. 15 people

Please note: There is a limited number of places!

Payment details

The congress fee is due before the start of the IRRIC. However, please do not pay the congress or guided tour fee until you have received your invoice. Write the invoice number and the name of the delegate legibly on the money transfer form.

Organisation of the Congress:

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I submit my binding application to attend the IRRIC Waste-to-Energy on September 18 and 19, 2017 in Vienna.

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Reduced fee for participants from other EU-member states or from low and middle income economies
- 390,- EUR + 20 % VAT**
Reduced fee for full-time professionals of public authorities or universities
- 100,- EUR + 20 % VAT.**
Reduced fee for full-time students

- 20,- EUR + 20 % VAT.**
I will attend the guided tour to waste disposal plants in Vienna on September 20, 2017 (only for registered participants of the IRRIC 2017).
Registration deadline: September 2, 2017

- 0,- EUR**
I will attend the evening event on September 18, 2017.

- I am interested in further material about sponsorship/ advertising opportunities.

Name / First Name / Title

Company / Organisation

Department

Address

Post Code / City / Country

Phone and Fax

Email

I have read and accept the terms and conditions indicated on this form.

Date, signature

Congress Venue

Congress venue Vienna Marriott Hotel

Parking 12a • A-1010 Vienna
Tel. +43.1-515.18-52 • Fax +43.1-515.18-87.20
Internet: www.viennamarriott.com
Single Room for 219,- EUR per night
Double Room for 239,-EUR per night
Limited offer reserved until August 25, 2017

IMPORTANT

Organize your overnight stay as early as possible. Vienna is a very popular city and there are a number of other events taking place in that time.

If you want to make use of the **limited group rate**, please visit our website www.vivis.de, go to *Veranstaltungen* -> *IRRC*, then to *congress venue* and follow the link to book the *group rate*. You will be directed to a page of the Vienna Marriott Hotel, which was created only for the participants of the IRRC.

Networking

Besides an interesting programme about the current issues of the European industry, the IRRC offers also a great opportunity to meet experts of the industry, from politics, science and technology. The exchange of experiences, ideas, and concepts will give impulses for cooperation and is going to promote development particularly in the new EU-member states.

Throughout the congress there will be sufficient time for networking in a pleasant atmosphere: During the coffee and lunch breaks, at the dinner on September 18 or even parallel to the lectures.



Partners



Deutsche Gesellschaft für Abfallwirtschaft e.V.



Guided tour to waste disposal plants in Vienna

For September 20, 2017 we offer a tour to selected waste disposal plants in and around Vienna, starting of the Vienna Marriott Hotel.

Delegates of the IRRC Waste-to-Energy have the possibility to participate in that excursion.

Registered participants will receive a guided tour at each site.

The group size is limited to max. 25 people.

Schedule

8:30 – 9:00	Meeting Point in front of the Vienna Marriott Hotel
9:30 – 11.00	Waste Incineration Plant Spittelau
11.30 – 13.30	Biogas Plant and Waste Logistics Center
around 14.00	Return to the Vienna Marriott Hotel

SPITTELAU WASTE INCINERATION PLANT DESIGNED BY HUNDERTWASSER

The waste incineration plant Spittelau was constructed from 1969 till 1971. A few years later, in 1987, a large fire destroyed most of the facility. Instead of tearing down the plant, Helmut Zilk – the mayor at the time – decided to rebuilt it in accordance with the highest standards regarding the technology and the environment protection. But even that was not enough. In addition to the technological improvements, it became an artwork. The environmentalist, nature lover and artist Friedensreich Hundertwasser created the unique design, for which it is world-famous today.

From 2012 to 2015, after an operation time of more than 40 years, the waste incineration plant Spittelau had to undergo a complete refurbishment.

Today, it incinerates around 250.000 tonnes of household waste per year. With an installed overall performance of 400 MW, an average production rate of 120 GWh of electricity as well as 500 GWh of heat, this plant is the second biggest generation site in the district heating system of Wien Energie. An it provides annually more than 60.000 households with its eco-friendly heat.



WASTE LOGISTICS CENTRE

Simmering waste logistics centre (German acronym "ALZ"): the most recent element of the comprehensive waste disposal system of Vienna is provided by the new Pfaffenuau waste logistics centre in the 11th municipal district Simmering. This high-tech installation adjacent to the Pfaffenuau waste incineration plant serves for the processing and interim storage of residual and bulky waste. If necessary, the pre-treated, compacted waste is wrapped in airtight bales and stored until incineration without releasing unpleasant odours. This ensures reliable disposal even in case of repairs or downtimes at waste incineration plants. The facility ensures that all waste collected can be properly disposed of, irrespective of the waste volume or capacity utilisation of Vienna's waste incineration plants.

BIOGAS PLANT

The biogas plant went into operation in 2007 and is run by the Vienna Municipal Department for Waste Management, Street Cleaning and Vehicle Fleet (MA 48). The facility processes about 22,000 tons of kitchen waste every year – mainly the contents of organic waste containers in Vienna's inner-city districts, as well as leftover food from restaurants, canteens and industrial kitchens, market waste and expired food. The moisture content of these materials is high enough to allow for fermentation.



Speakers and Presenters



Frédéric Aguesse



Dipl.-Ing.
Jean-Pascal
Balland



Kirsten Berry



Dipl.-Ing. Torsten
Buddenberg



Agostino
Calcagno



Dr. sc.
Mehmed Cero



Dipl.-Ing.
Juraj Cíž



Patrick Clerens,
Secretary General



Christophe
Cord'Homme



Dipl.-Ing.
Jörg Eckardt



Assistant Professor
Dr.-Ing.
Emilia den Boer



Jose Jorge
Diaz del Castillo



Jan-Kees
De Voogd



Dr. André Ditrich



Dr.-Ing.
Wolfgang
Esser-Schmittmann



Attorney Dr.
Tobias Faber



Dipl.-Ing.
Christian Fuchs



Dr. Christian
Gabriel



Dipl.-Ing.
Markus Gleis



Dr. Axel
Hanenkamp



Dr. Gary Heath



Associate
Professor
Emilia Hroncová



Professor Ing.
Dagmar
Juchelková, Ph.D.



Dr. Nelia
Jurado Pontes



Timothy Kast,
M.Sc. Ch.E., P.E.



Dipl.-Ing. Dr.
Friedrich Kirnbauer



Andres
Kronenberg



Ing. Mag.
Michael Lackner



Dipl.-Wi.-Ing.
Alexander
Laugwitz



Professor
Dipl.-Ing. Dr. techn.
Karl E. Lorber



Dr.-Ing.
Margit Löschau



Dr. rer. nat.
Gabriele Magel



Ing. Jaromír
Manhart



Mario Marcazzan



Dipl.-Ing.
Ruediger Margraf



Dipl.-Ing.
Ulrich Martin



Dipl.-Ing.
Michael Mück



Dipl.-Wirt.-Ing.
Albert Orglmeister



Dipl.-Chem.-Ing.
Luciano Pelloni



Professor Dipl.-Ing.
Dr. techn.
Helmut Rechberger



Dipl.-Ing. Dr. mont.
Renato Sarc



Dipl.-Ing.
Burkart Schulte



Dr.-Ing.
Wolfgang
Schüttenheim



Dr. Daniel Spálenka



Dr. Ella Stengler



Nobuhiro Tanigaki,
M.Sc.



Dr.-Ing.
Stephanie Thiel



Elisabeth
Thomé-Kozmiensky,
M.Sc.



Dr. ir.
Robert van Kessel



Assistant Professor
Dr.-Ing.
Federico Vignano



Dipl.-Ing.
Tobias Widder



Professor Dipl.-Ing.
Dr. techn.
Franz Winter



Dipl.-Ing.
Klaus-Günther Zink



Mihael Zmajlović,
B. Econ.

Additional Speakers:

Désiré Bendahan,
Aymeric Boutrais,
Ildefonso Goikoetxea,
Eddie Marcarian,