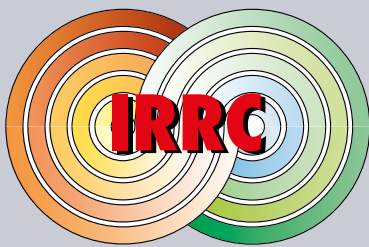


UPDATE



WIP Bonn

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WASTE-TO-ENERGY

October 1 and 2, 2018

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

INTERNATIONAL DEVELOPMENT

EU Policies and Legislation • Strategy • Country Reports • Projects

WASTE INCINERATION

Technologies of Waste Incineration • Optimisation and Efficiency
Example Plants and Experiences in the Plant Construction and Operation
Boiler Cleaning • Experience with Materials and Corrosion • Sewage Sludge
Flue Gas Treatment • Processing of Incinerator Bottom Ash

ALTERNATIVE WASTE-TO-ENERGY PROCESSES

Mechanical-Biological Treatment • Energy Recovery from Solid Recovered Fuels
Hydrothermal Carbonisation, Pyrolysis and Gasification



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Energy from Waste



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Directeur Général Adjoint/Secteur Environnement, 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 Legislation

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

- 9:15 The Impact of New EU Legislation on Waste-to-Energy** p. 3
 Dr. Ella Stengler, Managing Director
 CEWEP – Confederation of European Waste-to-Energy Plants e.V., Brussels, Belgium
- 9:45 Best Available Techniques (BAT) Reference Document (BREF) for Waste Incineration – Status and Last Steps of the Review** p. 15
 Dr. Frederik Neuwahl
 European IPPC Bureau (EIPPCB), European Commission, Joint Research Centre, Seville, Spain
- 10:15 Environmental Policies Point of View on the EU Legislation on Waste**
 Julika Dittrich, LL.M., Deputy Director
 EU-Umweltbüro, Vienna, Austria
- 10:45 Coffee Break**

PRESENTATION: PROFESSOR ING. PH.D. DAGMAR JUCHELKOVÁ

- 11:15 The Role of Waste-to-Energy in the EU's Long-term Greenhouse Gas Emissions Reduction Strategy** p. 25
 Patrick Clerens, Secretary General
 European Suppliers of Waste to Energy Technology (ESWET), Brussels

Strategy and Perspectives

- 11:45 China's Green Economy: Corporate Acquisitions and Political Strategy – For a Better Environment in China: BEHL and EEW Realize First Chinese-German Energy from Waste Project –** p. 37
 Dipl.-Phys. Karl-Heinz Müller
 Chief Operating Officer of EEW Energy from Waste GmbH, Helmstedt, Germany
- 12:15 International Perspectives of Energy from Waste – Challenges and Trends –** p. 47
 Tech.Lic. Inge Johansson, Researcher, Division Built Environment – Energy and Circular Economy
 RISE Research Institutes of Sweden, Borås, Sweden
 Leader of IEA Bioenergy Task Integrating Energy recovery into solid waste management systems
- 12:45 Lunch Break**

Country Reports

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

- 14:00 Current Status, Waste Management Strategies and Planning in Finland** p. 97
 Dipl.-Ing. Mika Pekkinen, Managing Director of Tammervoima Oy, Tampere, Finland
- 14:10 Waste Management in Bosnia and Herzegovina – Current Situation and Perspectives** p. 109
 Mehmed Cero, Ph.D., Assistant Minister on Environment
 Federal Ministry on Environment and Tourism, Sarajevo, Bosnia and Herzegovina
- 14:20 The New National Action Plan for Waste Management 2016 to 2023 of the Republic of Turkey** p. 119
 Professor Dr.-Ing. Oktay Tabasaran, University of Stuttgart, Germany
- 14:30 Current Status, Waste Management Strategies and Planning in Kuwait** p. 127
 Dipl.-Ing. Manfred Graf, Head Project Management
 EVN Umweltholding und Betriebs-GmbH, Maria Enzersdorf, Austria
- 14:40 Municipal Solid Waste Management in India – A Critical Assessment** p. 137
 Dr. Atul N. Vaidya, Chief Scientist & Head, Solid & Hazardous Waste Management
 CSIR – National Environmental Engineering Research Institute (NEERI), Nagpur, Maharashtra, India
- 14:50 Future Development of Waste Management in China According to the Current Five-Year Plan** p. 149
 Professor Dr. Rundong Li,
 Director for Institute of Clean Energy & Environmental Engineering (ICEEE)
 Shenyang Aerospace University, China

- 15:00 Panel Discussion**

- 16:00 Coffee Break**

Projects

PRESENTATION: DR.-ING. STEPHANIE THIEL

- 16:30 Worldwide Waste-to-Energy Market – Where are the Upcoming Projects?**
 Amedeo C. Vaccani, Managing Partner, Practice Leader Sustainability and Waste
 A. Vaccani & Partner AG, Zurich, Switzerland
- 17:00 Why Major Projects Fail – a Snapshot on Deal Killers, Disruption of Projects and Project Related Dispute Resolution** p. 63
 Attorney Dr. Tobias Faber, Hogan Lovells International LLP, Frankfurt am Main, Germany
- 17:30 Energy-from-Waste Project Development EPC Contractor & O&M Contractor as One-Stop-Shop?** p. 77
 Christophe Cord'homme, Business & Products Development Director, Environment Sector
 CNIM Constructions Industrielles de la Méditerranée S.A., Paris, France
- 18:00 Open Bar**
- 19:30 Dinner**

Incineration

Optimisation und Efficiency

PRESENTATION: PROFESSOR DIPL.-ING. DR. TECHN. HARALD RAUPENSTRAUCH

- ▶ **8:30** **Problems with Biodegradable Wastes – Potential in Myanmar and Other Asian Countries for Combination of Drying and Waste Incineration –** **p. 163**
Maw Maw Tun, M.Sc., Energy Engineering Department
Technical University of Ostrava (VŠB-TUO), Czech Republic
- ▶ **9:00** **Capacity, Efficiency and Emissions: Pushing the Limits of Waste-to-Energy Plants** **p. 177**
Dr. Reto Strobel, Senior Process Engineer Design
Hitachi Zosen Inova AG, Zurich, Switzerland
- ▶ **9:30** **Waste Heat Recovery for District Heating – A Hot Topic at a Low Temperature** **p. 187**
Marcus Whitworth, Product Sales Director Europe, FGC & Fuel Flexibility Solutions
GE Power AG, Stuttgart, Germany
- ▶ **10:00** **Generation 4.0 of Incineration Optimisation Systems for Moving Grates**
Dipl.-Ing. Matthias Lukic, CEO and owner, Dipl.-Ing. Damir Zibrat
TG GmbH, Premstätten, Austria
- ▶ **10:30** **Coffee Break**

Example Plants and Experiences in the Plant Construction and Operation

PRESENTATION: DIPL.-ING. KLAUS-GÜNTHER ZINK

- ▶ **11:00** **New Construction and Modernization of the Existing Plant in Prague/Czech Republic– Project GOLEM –** **p. 203**
Dr.-Ing. Ales Blaha, Director WtE plant, Prazske Sluzby a.s.
ZEVO Malesice, Prague, Czech Republic
Dipl.-Ing. Norbert Eickhoff, Senior Vice President, Projects and Acquisition
Martin GmbH für Umwelt- und Energietechnik, Munich, Germany
- ▶ **11:30** **Technical Concept and Energy Management of the Tampere Waste-to-Energy Plant in Finland** **p. 219**
Dipl.-Ing. Mika Pekkinen, Managing Director of Tammervoima Oy, Tampere, Finland

Processing of Incinerator Bottom Ash

- ▶ **12:00** **Mining Incinerator Bottom Ash for Heavy Non-ferrous Metals and Precious Metals** **p. 275**
Dr. Jan-Peter Born, Manager Business Development Energy
N. V. HVC, Alkmaar, Netherlands
- ▶ **12:30** **Hazardous Property HP14 of MSWI Bottom Ash** **p. 287**
Dipl.-Chem. Hermann Nordsieck, Professor Dr.-Ing. Wolfgang Rommel, Managing Director
Dr. Karsten Wambach
bifa Umweltinstitut GmbH, Augsburg, Germany
Dr.-Ing. Ragnar Warnecke
Managing Director of GKS – Gemeinschaftskraftwerk Schweinfurt GmbH, Germany
- ▶ **13:00** **Lunch Break**

Boiler Cleaning

PRESENTATION: DR. IR. ROBERT VAN KESSEL

- ▶ **14:00** **Methods for Optimized Online Cleaning** **p. 231**
Dipl.-Ing. Franziska Graube, Dr.-Ing. Sebastian Grahl
Professor Dr.-Ing. Michael Beckmann, Dipl.-Ing. Matthias Reiche
Technical University Dresden, Germany
- ▶ **14:15** **Boosting Boiler Efficiency and Availability through Fouling Management** **p. 245**
Martin Ellebro, Chief Technology Officer
Wave Impact Heat Management AB, Sundbyberg, Sweden
- ▶ **14:30** **Automated Radiation Pass Cleaning in Waste Incineration Plants – Experience from More Than Seventy Shock Pulse Generator Installations –** **p. 257**
Kaspar Ninck, M.Sc., Dipl.-Ing. Christian Mosbeck
Explosion Power GmbH, Lenzburg, Switzerland
- ▶ **14:45** **Mobile Industrial Dust Collector Risk Management** **p. 267**
Dr. Michael W. Seitz, CEO of BlueSky Global – Industrial Air Cleaners
- ▶ **15:00** **Discussion**
- ▶ **15:30** **Final Coffee Break**

Experience with Materials and Corrosion

PRESENTATION: ASSOCIATE PROFESSOR DR. SC. PATRIK YRJAS, DR. RER. NAT. WOLFGANG SPIEGEL

- ▶ **8:30** **Relevant Thermochemical Processes in Biomass Fired Power Plants** **p. 457**
 Dr. rer. nat. Wolfgang Spiegel
 Managing Director of CheMin GmbH, Augsburg, Germany
- ▶ **8:45** **Corrosion of Boiler Materials in the Presence of K-, Pb- and Zn-chlorides at 300 and 350 °C – Laboratory Tests with and without SO₂** **p. 465**
 Associate Professor Dr. Sc. Patrik Yrjas, Senior Researcher, Na Li, Dorota Bankiewicz
 Laboratory of Inorganic Chemistry
 Johan Gadolin Process Chemistry Centre
 Åbo Akademi University Finland
 Rikard Norling, Ph.D., Business Developer, Project Coordinator
 Swerea KIMAB, Stockholm, Sweden
- ▶ **9:00** **Experience in Managing the Superheater Corrosion of the Waste-to-Energy Plant in Naples**
 Lorenzo Zaniboni, Technical Director, Ing. Simone Malvezzi, Ing. Maurizio Rossi
 A2A Ambiente S.p.A., Brescia, Italy
- ▶ **9:15** **Ceramic Coating of Superheater Tubes in WtE Boilers as Alternative to Nickel Based Protection –** **p. 475**
 Eddie Marcarian, Head of Department Chaudières et Combustion
 CNIM S.A., La Seyne-sur-Mer CEDEX, France
 Ildfonso Goikoetxea, Director de Explotacion y Desarrollo
 Zabalgarbi, S.A., Bilbao, Spain
- ▶ **9:30** **Refractory Engineering for Waste-to-Energy Plants – Challenges and Solutions of New Constructions and Maintenance –** **p. 499**
 Dipl.-Ing. Markus Horn, Managing Director of Jünger+Gräter GmbH, Schwetzingen, Germany
- ▶ **9:45** **New Silicon Nitride-Bonded Silicon Carbide Tile System for Waste-to-Energy Boilers – Implemented Optimisations in Installation, Process (Heat Transfer) and Service Life** **p. 519**
 Jos van der Hoeff
 Managing Director of Van der Hoeff Refractories BV, Limmen, Netherlands
 Dipl.-Ing. Karl-Ulrich Martin
 Managing Director of DETACK GmbH, Ludwigsburg, Germany
- ▶ **10:00** **Discussion**
- ▶ **10:30** **Coffee Break**

Sewage Sludge

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

- ▶ **11:00** **Treatment of Sewage Sludge in Europe: Status Quo and Perspectives of Energy and Phosphorus Recovery Illustrated by the Example of Selected Countries** **p. 371**
 Dipl.-Ing. Martin Gutjahr, Managing Director
 wandschneider + gutjahr ingenieurgesellschaft mbh Hamburg, Germany
 Professor Dr.-Ing. Johannes Müller-Schaper
 PFI Planungsgemeinschaft GmbH & Co. KG, Hanover, Germany
- ▶ **11:30** **Processes and Techniques for the Treatment of Sewage Sludge** **p. 385**
 Professor Dipl.-Ing. Dr. techn. Harald Raupenstrauch, Dipl.-Ing. Christoph Ponak
 Montanuniversität Leoben, Austria
- ▶ **12:00** **Recovery of Phosphorus in Sewage Sludge Treatment** **p. 395**
 Dipl.-Ing. Dr. mont. Andreas Schönberg, Owner
 S-PEC e.U., Graz, Austria
- ▶ **12:30** **Lunch Break**
- ▶ **14:00** **Location Based Solutions for Thermal Sewage Sludge Utilisation and Phosphorus Recovery – Current Projects at EVN / WTE / S2E –** **p. 407**
 Dipl.-Ing. Dr. techn. Thomas Gröbl
 EVN Wärmekraftwerke GmbH, Zwentendorf an der Donau, Austria
- ▶ **14:30** **Sewage sludge – fluidized bed incineration as a reliable and proven treatment process** **p. 433**
 Dr.-Ing. Josef Langen, Combustion Systems Engineering
 Standardkessel Baumgarte GmbH, Bielefeld, Germany
 Felix Wyss
 General Manager of Raschka Engineering Ltd, Liestal, Switzerland
- ▶ **15:00** **Improving the Energetic Self-Sufficiency of Waste Water Treatment Plants – Tool for Needs-based Configuration of the Thermal Sludge Gasification Process** **p. 443**
 Dr. Eoin Butler, Project Development / Sales
 Kopf SynGas GmbH & Co. KG, Tübingen, Germany
- ▶ **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 Mechanical-Biological Waste Treatment Plants in Croatia** p. 313
Irena Relic, Ministry of Environment and Energy, Republic of Croatia
Dipl.-Ing. Dr. mont. Renato Sarc, Montanuniversität Leoben, Austria
- ▶ **9:00 Return of Experience in Two RDF Waste-to-Energy Plants in Italy** p. 337
Agostino Calcagno, Chief Executive Officer
Eng. Davide Rao, Engineering Department, Ruths S.p.A., Genova, Italy
- ▶ **9:30 Possibilities of Waste Derived Fuels Use in the Energy Sector in Poland** p. 349
Assistant Professor Dr.-Ing. Piotr Krawczyk
Professor Krzysztof Badyda, Ph.D., D.Sc., Eng., Director, Institute of Heat Engineering
Warsaw University of Technology, Poland
- ▶ **10:00 Mercury Removal System Using a Splitted Preheater – First Experiences in the Cement Industry –** p. 359
Dipl.-Ing. Holger Reinhold, Process Engineer Industrial Minerals Industry
Scheuch GmbH, Auroldmünster, Austria
- ▶ **10:30 Coffee Break**

Hydrothermal Carbonisation, Pyrolysis and Gasification

PRESENTATION: DIPL.-ING. MARKUS GLEIS

- ▶ **11:00 Converted Local Biomass – Processing Biomass to a Valuable Solid Fuel**
Dipl.-Ing. Hannes Bieler, Tendering
Mitsubishi Hitachi Power Systems Europe GmbH, Duisburg, Germany
- ▶ **11:30 Alternative Thermal Treatment technologies for Municipal Solid Waste – Overview of Gasification and Pyrolysis Processes, Their Status and Performance –** p. 303
Frans Lamers, M.Sc., Principal Consultant
DNV GL Group, Arnhem, Netherlands

Flue Gas Treatment

- ▶ **12:00 History of Flue Gas Treatment for Waste Incineration Plants Since 1981 to the Present** p. 533
Fons Doms, Directeur, Milieucoördinator
IVOO Intergemeentelijke Vereniging voor het afvalbeheer voor Oostende en Ommeland, Oostende, Belgium
- ▶ **12:30 Lunch Break**
- ▶ **14:00 Influence of New Best Available Techniques Reference Document (BREF) on Future Concepts for Flue Gas Treatment – What Will Change?** p. 541
Dipl.-Ing. Ruediger Margraf
Managing Director of LUEHR FILTER GmbH, Stadthagen, Germany
- ▶ **14:15 Improved SNCR Performance by Means of Innovative Control Concepts** p. 559
Dr.-Ing. Wolfgang Schüttenhelm, Senior Vice President Business Development & Technology
ERC Emissions-Reduzierung-Concepte GmbH, Buchholz i.d.N., Germany
- ▶ **14:30 Integrated Technology for NO_x and Dioxine Removal Inside the Boiler**
Dr. Frank Tabaries, Directeur Services
CNIM / LAB SA, La Seyne Sur Mer, France
- ▶ **14:45 Bromine-enhanced Mercury Emissions Control at Divers Waste Incineration Plants in Germany and France** p. 575
Professor Dr.-Ing. Bernhard W. Vosteen
Vosteen Consulting GmbH, Cologne, Germany
Ingénieur Xavier Chaucherie, M.Sc., Expert
SARPI-Veolia, Direction du Développement Industriel, de l'Innovation et de la Recherche, Limay, France
- ▶ **15:00 Discussion**
- ▶ **15:30 Final Coffee Break**

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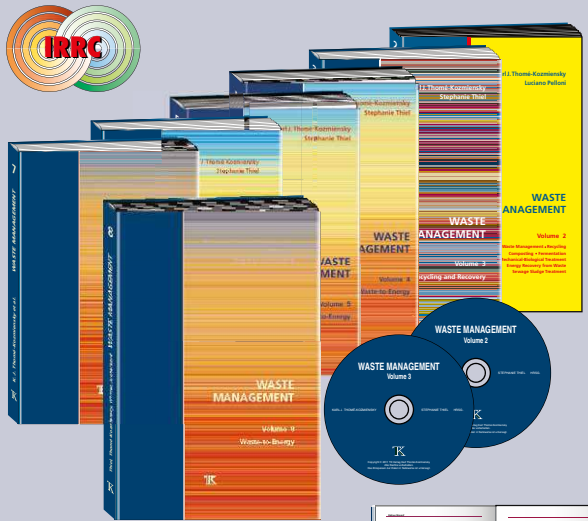
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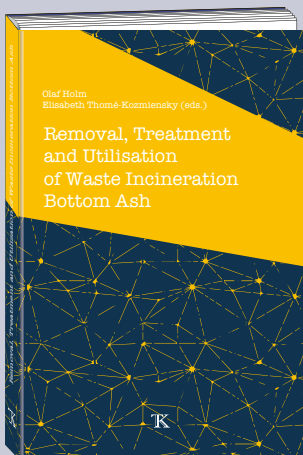
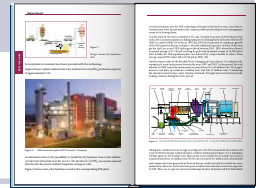
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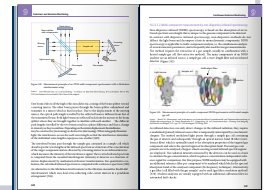
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The expert forum will be held by international experts from different European countries with long tradition in the treatment of municipal solid waste (MSW) incineration bottom ashes (IBA). Besides the everywhere profitable metal recovery, the utilisation of the mineral residues as secondary raw material underlies contrary legal and political frameworks in the different countries.

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1. General Introduction
2. Dry Removal and Treatment
3. Semi-Dry Treatment Trains
4. Wet Treatment Trains
5. Utilisation of the Mineral Residues – Prospects and Limitations

Dr. rer. nat. Franz-Georg Simon, BAM – German Federal Institute for Materials Research and Testing, will do the moderation.

Contributions to the expert forum and/or the accompanied technical book will be given by Prof. Rainer Bunge, HSR – University of Applied Science Rapperswil (Switzerland), Dr.-Ing. Leo Simon Morf, Chair of technical advisory board of ZAR (Switzerland), Michal Syc, Ph.D., Institute of Chemical Process Fundamentals of AS CR (Czech Republic), Dipl.-Ing. Gerhard Stockinger, Brantner Environment Group GmbH (Austria), Arjan Kok, B.Sc., Boskalis Environmental B.V. (The Netherlands), Dr. Jiri Hyks and Ole Hjelmar, M.Sc., both Danish Waste Solutions ApS (Denmark).



Registration Form for the Expert Forum

Please note: There is a limited number of places!

The registrations will be processed based on the chronological order of arrival.

Registration deadline: **Friday September 14, 2018**

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Visa Letter: A letter of invitation can be provided upon request for the registered congress participants. Please contact the TK Verlag, if you require an invitation letter.

The congress fee comprises: Attendance at all presentations; Coffee breaks and luncheons for both days; Networking dinner on October 1, 2018; Congress documents: 1 book, proof-of-entry, final programme, list of speakers and participants.

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 September 1, 2018. Written notifications are accepted via email, post or fax. **Cancellations** received on or before **September 1, 2018** 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 Thomé-Kozmiensky Verlag GmbH. Congress documents will be sent to registered attendees, who were unable to participate.

Complementary programme

For those of you that want to delve more into the field of waste-to-energy we are offering two alternative options for October 3, 2018.

1. EXPERT FORUM on Removal, Treatment and Utilisation of Waste Incineration Bottom Ash

Registration Fee

590,- EUR + 20 % VAT. Regular fee
Participants of the IRRC Waste-to-Energy that register for the forum will get a discount of 20 % on the two registration fees.

The fee comprises: Attendance at all presentations; Coffee breaks and luncheons; Congress documents: 1 book, certificate of participation; Final programme, list of speakers and participants

2. EXCURSION to waste treatment plants in Vienna

Registration Fee

40,- EUR + 20 % VAT. Regular fee for registered participants of the IRRC 2018 (approx. 9 am to 3 pm)

50,- EUR + 20 % VAT. Security deposit which will be returned to the participant, if he/she attends the excursion.

The fee comprises: Pick up and return from Vienna Marriott Hotel (approx. 9am to 3pm); Transportation between waste disposal sites; Guided tour at each site in English

Please note: There is a limited number of places!

Payment details

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

Registration Form for the IRRC Waste-to-Energy

Organised by:

Thomé-Kozmiensky Verlag GmbH
Dorfstraße 51 • 16816 Nietwerder • GERMANY
Phone +49.3391-45.45-0 • Fax +49.3391-45.45-10
Email: registration@vivis.de

I submit my binding application to attend the IRRC Waste-to-Energy on October 1 and 2, 2018 in Vienna.

I will pay the following congress fees + 20 % VAT. in due time after receiving my invoice:

- 890,- EUR** regular fee **450,- EUR** reduced fee
 390,- EUR reduced fee **100,- EUR** student fee
 0,- EUR I will attend the evening event on October 1, 2018.
- I am a registered participant of the **Expert Forum** and get a discount of **20 %** on the registration fees.

Excursion on October 3, 2018

- 40,- EUR + 50,- EUR deposit payment + 20 % VAT.** I will attend the guided tour to waste disposal (**only for registered participants of the IRRC 2018**).

I am interested in further information about

- sponsorship/advertising opportunities
 future conferences on waste management

- With the registration you acknowledge the terms and conditions (AGB) of Thomé-Kozmiensky Verlag GmbH as binding and you agree that your data will be processed and used in accordance with our privacy policy, which is visible on www.vivis.de.*

*** Your approval is mandatory for participating at the event**

Please tick interest points

- Incineration Sewage Sludge Flue Gas Treatment
 Experience with Materials and Corrosion
 Alternative Waste-to-Energy Processes

Name / First Name / Title

Company / Organisation

Department

Address

Post Code / City / Country

Phone / Fax

Email

Please tell us, if you have a different invoicing address.

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 255,- EUR per night
Limited offer reserved
until July 22, 2018

IMPORTANT

Organise 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.

It pays to compare:

Also use online portals like
www.hrs.de and
www.booking.com,
which often offer
very cheap special deals

If you want to make use of the **limited group rate at the Vienna Marriott Hotel**, 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.

Sponsoring, Exhibition and Books

Companies can engage in the IRRC as a sponsor, who is entitled to a number of services: e.g. the company logo is not only displayed on the programme flyer and on our homepage, it will also be visible throughout the congress, sponsors get a company booth and two advertisements in the book *Waste Management Vol. 8*.

Alternatively you can book the company booth and the advertisement in the book also individually:



Company Booth

During the IRRC Waste-to-Energy 2018 there is an exhibition (with a limited number of company booths).

Advertising

We invite companies to present themselves in the two companion hardcover books

Waste Management Vol. 8

and/or

**Removal, Treatment and Utilisation
of Waste Incineration Bottom Ash.**

Please contact us for further information.

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 October 1 or even parallel to the lectures.



Partners



Deutsche Gesellschaft
für Abfallwirtschaft e.V.



Gemeinsam
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Guided Tour to Waste Treatment Plants in Vienna

On October 3, 2018 we offer a tour to selected waste treatment plants in and around Vienna, starting of the Vienna Marriott Hotel.

Delegates of the IRRIC Waste-to-Energy have the possibility to participate in that excursion. Registered participants will receive a guided tour at each site.

Schedule

8:30 – 9:00	Meeting Point in front of the Vienna Marriott Hotel
10:00	Waste Incineration Plant Spittelau
12:00	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 rebuild 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.

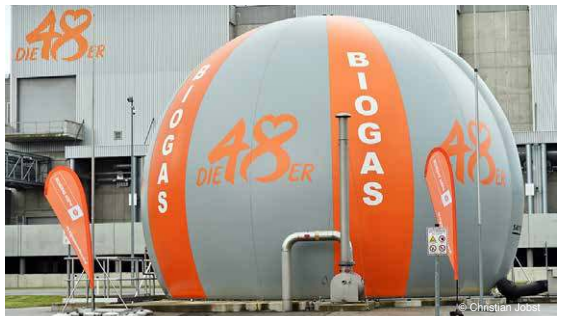


WASTE LOGISTICS CENTRE

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



Dr.-Ing.
Ales Blaha



Dr.
Jan-Peter Born



Dr.
Eoin Butler



Tomas Caha



Agostino
Calcagno



Dr. sc.
Mehmed Cero



Patrick Clerens



Christophe
Cord'homme



Julika Dittrich,
LL.M.



Fons Doms



Dipl.-Ing.
Norbert Eickhoff



Martin Ellebro



Attorney Dr.
Tobias Faber



Dipl.-Ing.
Markus Gleis



Ildefonso
Goikoetxea



Dipl.-Ing.
Manfred Graf



Dipl.-Ing.
Franziska Graube



Dipl.-Ing.
Martin Gutjahr



Dipl.-Ing.
Markus Horn



Tech.Lic.
Inge Johansson



Professor
Ing. Ph.D.
Dagmar Juchelková



Drs. Frans Lamers



Dr.-Ing.
Josef Langen



Professor Dr.
Rundong Li



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



Dipl.-Ing.
Matthias Lukic



Eddie Marcarian



Dipl.-Ing.
Ruediger Margraf



Dipl.-Phys.
Karl-Heinz Müller



Dr.
Frederik Neuwahl



Kaspar Ninck,
M.Sc.



Mika Pekkinen



Dr.-Ing.
Margit Löschau



Professor
Dipl.-Ing. Dr. mont.
Roland Pomberger



Professor Dipl.-Ing.
Dr. techn.
Harald Raupenstrauch



Dipl.-Ing.
Holger Reinhold



Professor Dr.-Ing.
Wolfgang Rommel



Antonios G.
Sakalis



Dipl.-Ing.
Dr. mont.
Renato Sarc



Dipl.-Ing.
Dr. mont.
Andreas Schönberg



Dr.-Ing.
Wolfgang
Schüttenhelm



Dr.
Michael W. Seitz



Dr. rer. nat.
Wolfgang Spiegel



Dr.
Ella Stengler



Dr.
Reto Strobel



Dr.
Frank Tabaries



Professor Dr.-Ing.
Oktay Tabasaran



Dr.-Ing.
Stephanie Thiel



Elisabeth
Thomé-Kozmiensky,
M.Sc.



Maw Maw Tun,
M.Sc.



Amedeo C.
Vaccani



Dr.
Atul N Vaidya



Jos van der Hoeft



Dr. ir. Robert
van Kessel



Professor Dr.-Ing.
Bernhard W.
Vosteen



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



Felix Wyss



Associate Professor
Dr. Sc. Patrik Yrjas



Lorenzo Zaniboni



Dipl.-Ing.
Klaus-Günther Zink

Additional Speakers:

Dipl.-Ing. Dr. Thomas Gröbl

Assistant Professor Dr.-Ing. Piotr Krawczyk

Irena Relic

Dr. Thomas Sonntag-Rösing