

TOTeM

TOPIC ORIENTATED TECHNICAL MEETING



#TOTeM46 Waste-to-energy

Status and perspectives of
technologies

21-22 • NOVEMBER • 2019
PISA • ITALY



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OVERVIEW

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WELCOME TO TOTEM46

IFRF and Comitato Italiano are pleased to announce TOTeM46 (Topic Orientated Technical Meeting), which will be held at the University of Pisa, Italy on 21-22 November 2019. The topic is '**Waste to Energy: Status and perspectives of technologies**'.

The adaptation of waste management to the Circular Economy paradigm is pushing toward higher and higher source separation levels, as well as promoting the development of new processes for the recovery of materials, including also thermal treatment. On one hand, higher source separation produces higher amounts of selection and recycling residues, which require proper treatment to ensure the sustainability of the whole system. On the other hand, the characteristics of some source separated waste streams do not allow the recovery of materials just through simple mechanical treatments. Therefore, thermal treatments are likely to continue playing a crucial role in closing the cycle and ensuring its effectiveness.

Under this new perspective, the aims of the TOTeM are to start analysing the current status and the main trends of the waste management world, to create collaboration opportunities among its stakeholders and IFRF members, as well as to set a framework to support IFRF members in evaluating the potential exploitation of their know how in this area of application.

Scientific committee of TOTeM46:

M. Fantuzzi, S. Pasini, L. Tognotti, F. Viganò

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PROGRAMME

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DAY ONE - THURSDAY 21 NOVEMBER

14:00 REGISTRATION

STATUS AND TRENDS IN THE WASTE-TO-ENERGY SECTOR

Chair: M. Fantuzzi - IC President / Tenova

- 14:15 Introduction - **S. Pasini, IFRF President**
- 14:30 Waste-to-Energy for the sustainable management of waste - **S. Consonni, MatER / Politecnico di Milano**
- 15:10 Waste combustion on a grate -
R. Van Kessel, Prewin network
- 15:50 State-of-the-art of fluidized bed combustion technology for Waste-to-Energy -
T. Luomaharju, Valmet Technologies Oy
-

16:30 REFRESHMENT BREAK

- 17:00 Assessment of Alternative Thermal Waste Treatment Technologies with focus on Chemical Recycling of plastic waste - **H. Seifert, KIT**
- 17:40 Significance and challenges for flue gas treatment systems in waste incineration - **R. Karpf, THM**
- 18:20 The new BREF on Waste Incineration -
L. Tognotti, University of Pisa
- 19:00 End of first day
-

20:00 NETWORKING DINNER

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DAY TWO - FRIDAY 22 NOVEMBER

CASE STUDIES

Chair: **S. Pasini, IFRF President**

- 9:00 The Waste-to-Energy experience of A2A -
S. Malvezzi, A2A Ambiente SpA
- 9:40 Waste-to-Energy in the UK - **Speaker TBC**
- 10:20 The Flameless Pressurized Oxycombustion:
innovation of fundamentals - **M. Malavasi, ITEA**
-

11:00 REFRESHMENT BREAK

- 11:30 Fuel quality and its impact on waste wood
co-incineration - **S. Weatherstone, Uniper**
- 12:10 The use of waste as fuel in the cement industry -
F. Cicchi and R. Costi, Colacem SpA
- 12:50 Final remarks and closure of the meeting -
M. Fantuzzi, IFRF IT / Tenova
-

13:00 TOTEM CLOSES



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REGISTRATION

Ticket prices for TOTeM46 are:

Organisation type	IFRF member*	Non-IFRF member
Academia	€100	€300
Industry	€200	€400

*If you would like to join IFRF and receive this special discount head to our [website](http://www.ifrf.net) and become a member.

The ticket price includes attendance to both days of the TOTeM, refreshments and the networking dinner.

You can book your tickets for this exciting event through the IFRF website - www.ifrf.net.



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VENUE

TOTeM46 will be held at the University of Pisa - Conference Center "Le Benedettine" - P.za S. Paolo Ripa d'Arno, 16 - Pisa - Italy.

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For just €2500, you can sponsor TOTeM46 and receive:

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- Exhibition stand at the event with the chance to network with delegates

Contact us at administration@ifrf.net for more information.

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