



HEAT EXCHANGER FOULING & CLEANING CONFERENCE

June 11-16, 2017 | Barceló Aranjuez (Hotel & Spa) Madrid, Spain

TO PAST AND FUTURE CONFERENCE PARTICIPANTS,

Due to my heavy workload as Rector of TU Dresden, Renate and I decided to turn the Fouling Conference over to HTRI, with whom we have a long, positive and close relationship. The staff of HTRI will continue our efforts to provide a collaborative forum for addressing the tremendous challenges due to fouling of heat exchangers. We sincerely thank all those who have contributed their time in the past to make the conference such a great success. A special note of appreciation goes to Paul Watkinson, previously my co-chair, and Reza Malayeri.

Sincerely,

Hans Müller-Steinhagen

CALL FOR PAPERS

SYNOPSIS

Deposit formation occurs in most refining, chemical, desalination, and power generating processes. This widespread phenomenon is associated with significant environmental impact; additional energy consumption leads to 1-2.5% of global CO₂ emissions. Increased pressure drop can reduce production. The cost penalties due to fouling in heat exchanger applications alone have been estimated as about 0.25% of the GDP of industrialized countries. Because of the cost related to fouling, a high value is placed on knowledge and technology that can alleviate the problem.

The aim of this conference is to facilitate innovative thinking through the sharing of ideas, research, and technology as well as encourage collaboration by

providing an environment that promotes interaction, discussion, and networking. The schedule includes formal presentation and poster sessions, numerous opportunities for ad hoc discussions, and organized social activities (meals, evening socials, and a field trip!). This event will include topics on all types of fouling of heat exchangers from all industry sectors. Because fouling is a complex problem, all approaches and perspectives on the topic are welcome regardless of whether the topic is theoretical, practical approaches, case studies, modeling, cleaning technique, or a new invention. We encourage submission from both industry and academia. Students are also welcome to participate and present their work.

CONFERENCE CHAIR:

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SCOPE OF THE CONFERENCE

The key themes of the 2017 Heat Exchanger Fouling and Cleaning Conference are:

- Crude oil and hydrocarbon fluid fouling
- Fouling in cooling water and thermal desalination units
- Fouling in:
 - Power Plants
 - Dairy and food industries
 - Automotive industry
- Surface and chemical treatment
- Modeling and CFD studies of fouling processes
- Anti-fouling design of heat exchangers
- Mechanisms of heat transfer fouling (crystallisation, particulate, reaction, corrosion, solidification, and biofouling)
- Micro and compact heat exchanger fouling
- Fouling mitigation
- Cleaning of heat exchangers
- Monitoring of heat exchanger fouling

Register Now! Space is limited to 100 participants.
www.heatexchanger-fouling.com

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IMPORTANT DATES AND SUBMISSION DEADLINES

FULL MANUSCRIPT DUE
31 March 2017

Inquiries regarding full manuscripts may be directed to foulingconference@htri.net.

Following the acceptance of abstracts, guidelines for preparation of the full manuscript will be provided. For industrial contributions, the option of submitting an extended abstract rather than a full-length manuscript is offered. After the conference, all papers will be peer-reviewed and electronically published on the conference website. In addition, a number of selected papers will be published in a special issue of *Heat Transfer Engineering*.

Each participant may present a maximum of two papers. The final acceptance of the manuscript and its inclusion in the pre/post-conference proceedings are subject to participation of at least one author to present the work.

PREVIOUS CONFERENCE E-PROCEEDINGS

The previous e-proceedings of this conference (2003 onwards) can be obtained free of charge from the conference homepage:

<http://heatexchanger-fouling.com/proceedings.htm>

CONFERENCE FORMAT

The conference starts Sunday late afternoon and continues through Friday lunch. Morning and late afternoon sessions provide a stimulating balance between formal presentations, small group interactions and informal discussions. Adequate time is provided in the afternoons and social hours for ad/hoc meetings and discussion. The number of conference participants is limited to 100 in order to encourage maximum interaction and to avoid parallel sessions. As with previous conferences, the registration fees include accommodations, meals, and social activities. All participants stay in the conference hotel joining together for meals and evening functions.

CONFERENCE VENUE

The BARCELÓ ARANJUEZ hotel is located in the town of Aranjuez, approximately 50 km south of Madrid, in a tourist area of great historical and cultural interest. This hotel is also a unique setting for enjoying hunting, fishing, or to relax and be pampered in its 1,200 sq.m U-Spa, one of the best beauty and wellness centres in Madrid. Guests can enjoy a game of paddle tennis in the club with a choice of six courts or work out in the gym. In addition, it has an outdoor swimming pool. The hotel offers free Wi-Fi in guest rooms and communal areas as well as free access to the games room of GRAN CASINO ARANJUEZ. www.barcelo.com/Barcelo-Aranjuez



Madrid, Spain's central capital, is a city of elegant boulevards and expansive, manicured parks. It is renowned for its rich repositories of European art, including the Prado Museum's works by Goya, Velázquez, and other Spanish masters. Madrid's international airport, Madrid-Barajas, is a large airport easily accessible by visitors from all over the world.



Plaza Mayor (Madrid's Main Square)

CONFERENCE EXCURSION

Included in the registration fee is a half-day sightseeing tour of the Royal Palace and Gardens of Aranjuez on Tuesday afternoon, June 13, 2017.



CONFERENCE FEES

Early Bird registration fee (net) before or on March 13, 2017

Full Participants:	\$ 1750.00
Postgraduate Students:	\$ 1400.00
Accompanying Guests:	\$ 700.00

Late registration from March 14, 2017

Full Participants:	\$ 1900.00
Post Graduate Students:	\$ 1500.00
Accompanying Guests:	\$ 750.00

The fees include conference proceedings, accommodation at the hotel, meals, and a half-day sightseeing tour of the Royal Palace and Gardens of Aranjuez. There is also a social hour every evening at the hotel bar. The guest fee includes shared accommodation and everything apart from the conference participation.

Registrations are confirmed once payment has been received by the conference account. Conference registration will close when 100 participants are booked.

Register online and view conference information on our website: www.heatexchanger-fouling.com

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