

HEAT EXCHANGER FOULING & CLEANING CONFERENCE XIV

June 5 – 10, 2022 • Sporthotel Wagrain • Wagrain, Austria

CALL FOR PAPERS

SYNOPSIS

Heat exchanger fouling is a chronic problem that contributes to process economics, plant capacity, as well as environmental and safety concerns within the food, pharmaceutical, water, chemical, petrochemical, and refining industries.

Numerous studies have shown that heat exchanger fouling may lead to 1 – 2.5% of global CO₂ emissions. Furthermore, cost penalties associated with heat exchanger fouling are estimated to be roughly 0.25% of the gross domestic product (GDP) for industrialized countries. Fouling of heat transfer equipment is costing global industries hundreds of millions of dollars every year in increased equipment costs, maintenance costs, and energy and production losses.

It is important to advance research in fouling mechanisms, performance monitoring and process optimization methods, the use of predictive models, and fouling mitigation and cleaning technologies.

The Heat Exchanger Fouling & Cleaning Conference provides a unique opportunity to facilitate innovative thinking through the sharing of ideas, research, and technology. Collaboration is encouraged through interaction, discussion, and networking. Attendees will be able to participate in informative presentations and poster sessions, as well as interactive ad hoc discussions. Social activities—meals, evening receptions, and an offsite excursion—are also planned.

Submissions from industry and academia—including students presenting their work—are welcome. Because fouling is a complex problem, all papers related to this topic will be considered, including practical and theoretical approaches, case studies, modeling, techniques on cleaning, or new inventions.

SCOPE OF THE CONFERENCE

The themes of the 2022 Heat Exchanger Fouling & Cleaning Conference include

- Fouling in industrial heat exchanger systems
 - Crude oil and hydrocarbon systems
 - Cooling water systems
 - Petrochemical systems
 - Thermal desalination units
 - Power plants
 - Dairy and food industries
- Surface modifications
- Modeling of fouling processes
- CFD studies on fouling processes
- Design, retrofit, and revamp of heat exchangers and associated networks to mitigate fouling
- Mechanisms of heat transfer fouling (crystallization, particulate, reaction, corrosion, and biofouling)
- Micro and compact heat exchanger fouling
- Cleaning of heat exchangers
- Modeling environmental and economical impact of fouling and cleaning
- Monitoring, scheduling, and controlling the fouling in heat exchangers and associated networks

CONFERENCE CHAIR:

DR.-ING. HANS U. ZETTLER

Heat Transfer Research, Inc., USA
hans.zettler@htri.net

HONORARY CONFERENCE CHAIR:

PROF. HANS MÜLLER-STEINHAGEN

Dresden International University, Germany
Hans.Mueller-Steinhagen@di-uni.de

CONFERENCE SECRETARY:

DR. EDWARD ISHIYAMA

Heat Transfer Research, Inc., USA
edward.ishiyama@htri.net

SCIENTIFIC COMMITTEE:

DR.-ING. WOLFGANG AUGUSTIN

Technische Universität Braunschweig, Germany
w.augustin@tu-braunschweig.de

DR. GUILLAUME DELAPLACE

INRAE, France
guillaume.delaplace@inrae.fr

DR.-ING. HEIKE GLADE

Universität Bremen, Germany
heike.glade@uni-bremen.de

DR.-ING. LES JACKOWSKI

Chevron Energy Technology Company, USA
ljau@chevron.com

PROF. LUIS MELO

University of Porto, Portugal
lmelo@fe.up.pt

DR. AARON SMITH

Heat Transfer Research, Inc., USA
aaron.smith@htri.net

EDWIN VAN DOORN MSc

Fluor B.V., The Netherlands
edwin.van.doorn@fluor.com

PROF. QI ZHAO

University of Dundee, UK
q.zhao@dundee.ac.uk

To register online or view conference information,
visit www.heatexchanger-fouling.com.

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IMPORTANT DATES AND SUBMISSION DEADLINES

ABSTRACTS DUE

October 28, 2021

NOTIFICATION OF ACCEPTANCE

November 25, 2021

FULL MANUSCRIPT DUE

March 17, 2022

Both oral and poster presentations are scheduled. Interested participants are asked to submit a one-page abstract (max. 250 words) to foulingconference@htri.net for consideration.

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, papers that pass the peer-review process will be electronically published on the conference website. Furthermore, a number of select papers will be printed in an engineering journal.

Each participant may present a maximum of two papers. The final acceptance of the manuscript and its inclusion in the conference proceedings is dependent upon author participation.

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 begins Sunday afternoon and continues through midday on Friday. Morning and 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 discussions. To encourage maximum interaction and to avoid parallel sessions, the number of conference participants is limited to 120. As with previous conferences, the registration fees include accommodations, meals, and social activities. All participants stay in the conference hotel and meet for meals and evening functions.

During this event, conference participants will adhere to any COVID-19 precautions required by the venue.

To register online or view conference information, visit www.heatexchanger-fouling.com.

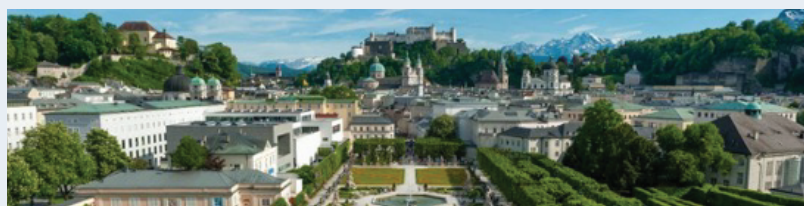


CONFERENCE VENUE

Surrounded by the stunning Salzburg Alps, the Sporthotel Wagrain is the perfect place to take in the natural beauty of the Salzburger Land region. This four-star hotel has impressive facilities for both leisure and wellness that includes indoor and outdoor pools, state-of-the-art fitness machines overlooking a mountain panoramic view, and a 1000m² onsite spa with an extensive range of massage and beauty treatments. The neighboring mountains and valleys provide ideal conditions for hiking and mountain biking. If you enjoy sightseeing, the baroque city of Salzburg—famous for being the birthplace of Mozart and the filming location for *The Sound of Music*—is located 68 km to the north.

CONFERENCE EXCURSION

Included in the registration fee is a half-day excursion to the city of Salzburg, Austria on Tuesday afternoon, June 7, 2022.



Panoramic view of the Mirabell Gardens and the old town of Salzburg. Photograph courtesy of Salzburg Tourism.

CONFERENCE FEES

Early Bird registration fee (net) before or on March 17, 2022

Full Participants	US\$1840.00
Postgraduate Students	US\$1450.00
Accompanying Guests	US\$825.00

Late registration from March 18, 2022

Full Participants	US\$1990.00
Postgraduate Students	US\$1550.00
Accompanying Guests	US\$875.00

Fees for Full Participants and Postgraduate Students include conference proceedings, accommodation at the hotel, meals, and the conference excursion. There is also a free social hour every evening at the hotel bar. The Accompanying Guest fee includes shared accommodation and everything apart from the conference proceedings.

Registrations are confirmed once payment has been received by the conference account. Conference registration will close when 120 participants are booked.