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 2021 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

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

Early Bird registration fee (net)
before or on March 14, 2021

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Late registration from
March 15, 2021

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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 8, 2021.

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