

HEAT EXCHANGER FOULING & CLEANING CONFERENCE XVI

June 14 – 18, 2026 • Dolce Athens Attica Riviera • Vravrona, Greece

CALL FOR PAPERS

SYNOPSIS

Heat exchanger fouling remains a persistent challenge that affects energy efficiency, operational reliability, and environmental performance in industries such as food processing, pharmaceuticals, water treatment, chemicals, petrochemicals, and refining. While its impact has long been recognized, the nature of fouling and the approaches to address it have evolved significantly over recent decades.

As presented throughout this conference series, innovations in materials, surface design, cleaning science and technologies, and thermal system optimization—alongside the adoption of digital tools like advanced modeling, real-time monitoring, and AI—are reshaping both the understanding and management of fouling. These advances are helping industry shift from reactive to predictive strategies, with implications for cost savings, sustainability, and process performance.

The importance of continued research remains clear. Improving our knowledge of fouling mechanisms, enhancing process monitoring, and applying intelligent modeling and simulation will contribute to lowering emissions, increasing equipment life, and reducing unnecessary maintenance and downtime.

The Heat Exchanger Fouling & Cleaning Conference offers a unique platform to foster dialogue, share new insights, and promote collaboration between researchers, technology developers, and industry practitioners. The program encourages interaction through presentations, poster sessions, and informal ad hoc discussions, while social activities—including group meals, evening receptions, and an off-site excursion—further support community building.

Submissions are invited from both academia and industry, including student contributions. Given the complexity of fouling, all relevant work will be considered—from theoretical studies and modeling to practical solutions, case studies, and innovative technologies aimed at understanding or solving fouling challenges.

SCOPE OF THE CONFERENCE

The 2026 Heat Exchanger Fouling & Cleaning Conference will explore current and emerging challenges in the understanding, mitigation, and management of fouling in heat exchangers. Emphasis is placed on industry needs, sustainability, and the integration of digital and computational technologies, all organized around topics like

- fouling in industrial heat exchanger systems, such as
 - biofuel and renewable feedstock processes
 - cooling water systems
 - crude oil and hydrocarbon systems
 - dairy and food production
 - petrochemical systems
 - power plants
 - thermal desalination units
- compact, micro-, and milli-scale exchanger fouling
- fouling mechanisms: crystallization, particulate, reaction, corrosion, and biofouling
- monitoring, scheduling, and control of fouling and cleaning
- design, retrofit, and operational strategies to mitigate fouling
- surface modification and anti-fouling technologies
- cleaning techniques and maintenance best practices
- numerical modeling and simulation of fouling, including CFD and multiphysics approaches
- application of AI, machine learning, and digital twins for prediction, diagnostics, and optimization
- heat pumps and thermal energy storage in the context of fouling and energy performance
- sustainability and environmental impact assessment of fouling and cleaning operations
- digitalization and data-driven approaches to improve heat exchanger reliability and efficiency

CONFERENCE CHAIR:

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For more information, visit
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IMPORTANT DATES AND SUBMISSION DEADLINES

ABSTRACTS DUE

Extended to: December 11, 2025

NOTIFICATION OF ACCEPTANCE

Extended to December 18, 2025

FULL MANUSCRIPT DUE

March 15, 2026

Both oral and poster presentations are scheduled. Interested participants are asked to submit a one-page abstract (max. 250 words) via the [Abstract Management Portal](#) 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, selected papers will be published in one of two special editions of engineering journals, subject to peer review.

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: heatexchanger-fouling.com/refereed-proceedings/

CONFERENCE FORMAT

The conference begins Sunday afternoon and finishes on Thursday evening after the Gala Dinner and awards (with hotel check out on Friday, June 19). 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 will stay in the conference hotel and meet for meals and evening functions.



Photograph courtesy of the Dolce Athens Attica Riviera hotel.

CONFERENCE VENUE

Nestled in the picturesque town of Brauron on the eastern shoreline of Athens, the Dolce by Wyndham Athens Attica Riviera hotel offers an alluring seaside destination, just 20 minutes from Athens International Airport (ATH) and one hour from Athens. The modern guest rooms provide a plethora of amenities, as well as gorgeous beach and mountain views. Delight in exquisite Mediterranean cuisine from the on-site restaurants and bars. The 346 guestrooms are outfitted with comfortable décor in soothing hues and modern conveniences like complimentary WiFi. All accommodations are non-smoking and most boast a balcony overlooking the Mediterranean Sea or picturesque mountains. Stay and enjoy a unique spa experience, get a workout in the fitness center, lounge by the outdoor pool, or even participate in water sports, basketball, tennis, or volleyball.

There is no shortage of beauty and history to discover in Athens—and Dolce by Wyndham Athens Attica Riviera puts it all at your fingertips. Take in magnificent views of blue waters and sailing ships at Rafina Port or one of the many ports near our hotel, or connect to the country's history by exploring the ancient ruins. The hotel provides sophisticated meeting space and modern technology, as well as a full service business center.

CONFERENCE EXCURSION

Included in the registration fee is a half-day excursion to the area surrounding Athens, Greece the afternoon of June 16, 2026.

CONFERENCE FEES

Early Bird registration fee (net) before or on April 7, 2026

Industrial Participants	US\$2650.00
Academic Professors	US\$2350.00
Students (Post Graduates)	US\$1450.00
Accompanying Guests	US\$1150.00

Late registration from April 8, 2026

Industrial Participants	US\$2750.00
Academic Professors	US\$2450.00
Students (Post Graduates)	US\$1500.00
Accompanying Guests	US\$1200.00

Inclusive Fees!

Fees include conference proceedings, accommodation at the hotel, meals, breaks, the Gala with entertainment, 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.

For more information, visit www.heatexchanger-fouling.com

HTRI
Heat Transfer Research, Inc.