

WEDNESDAY 13 NOVEMBER

09:00 Exhibition floor opens

10:00 – 10:30 1st keynote speaker: The evolving role of heat transfer and innovation. *Martin Gough, CALGAVIN Ltd*

10:30 – 11:00 2nd keynote speaker: Harnessing the power of air-cooled heat exchangers. *Len Zoetemeijer, Independent consultant, formerly Shell*

11:00 Coffee and networking on the exhibition floor

11:30 – 12:30 Session: Heat exchanger technology

Moderator: Mohamed Ghafri

- Comparison of parallel-pin and tapered-pin tube expansion methods and practical manufacturing considerations. *Ben Lambers, Elliott Tool Technologies*
- Use of spiral tube heat exchangers in hydro-processing units. *Christophe Gajecski, ZPJE*
- Digitalisation enabled optimisation of cooling water chemicals in an LNG plant. *Anal Chavan, Nigeria LNG*
- Thermodynamic software for heat exchangers using ZILEX system. *Musa Smakaj, ZILONIS*

11:30 – 12:30 Session: Welding and additive manufacturing

Moderator: Raymond Cordewener

- Advancement of embedded thermal management manufactured via CoreFlow®. *Sam Holdsworth, TWI Ltd*
- Friction stir welding: a game changer for thermal efficiency and cost reduction of liquid cold plates. *Tiphaine Louis, Stirweld*

12:30 Lunch break and networking on the exhibition floor

14:00 – 15:30 Session: Heat exchanger maintenance

Moderator: Amol Palve

- Digitalisation & records for heat exchanger tube plugging to ASME PC-2022 Article 312. *Ron de Rijk, Curtiss Wright EST Group*
- Technological advancements for efficient service and maintenance of Heat Exchangers. *Svein Tore Milwertz, Izomax*
- Revolutionising heat exchanger maintenance: a pathway to sustainability and operational excellence. *Armin Xaver Saeidiani-Rädler, AC Rädler*

14:00 – 15:30 Session: Material selection/corrosion

Moderator: Barinder Ghai

- Metallic heat exchangers for phosphoric acid evaporators. *Jonas Howing, Alleima*
- A technical comparison of heat exchanger materials with a high chemical resistance. *Christian Stentzel, Head of Research & Development, THALETEC*
- Phencote coating system to optimise durability and energy efficiency of heat exchangers. *Lorenzo Comel, G.M.A. SRL*
- PPS-GR: The key to efficient waste heat utilisation and CO₂ separation in corrosive environments. *Julia Klein, Technoform Tailored Solutions Holding GmbH & Jens Kitzhofer, Euro-Apex B.V.*

15:30 - 16:00 Coffee and networking on the exhibition floor

16:00 – 17:30 INTERACTIVE WORKSHOP: Appropriate selection and successful uses of duplex stainless steels

Hosted by Roger Francis, RF Materials & Joelle Greenwood, Consultant

This workshop will give a brief introduction to the properties of duplex stainless steels and how these can be utilised for a cost effective material selection compared with other alloys. The workshop will also discuss fabricating duplex stainless steels and how to avoid common pitfalls. Some examples will be given where duplex alloys have provided an economic long term option for specific applications, including heat exchangers. Some cases will also show what happens when the limits of use are exceeded.



16:00 – 17:30 Session: Heat exchanger design

Moderator: Amol Palve

- H₂ central cooling system optimising power and water consumption as well as plot occupation using KTS Cascade cooling solution. *Alexander Gernhardt, Kelvion*
- Relaxation of the bolted flange joint In temperature-cycling environments. *Robert Taylor, 3S Superior Sealing Services LLC*
- Advanced thermal solutions: Integrating AI and engineering expertise. *Pedro Saura Bolea, Mecánicas Bolea*

18:00 Networking dinner

The Networking Dinner at Hotel New York is a combined event for Heat Exchanger World and Duplex World. It's an opportunity to meet and discuss business and further develop your industry connections over delicious food and drinks in this iconic and historic venue dating from 1901. Transport will be arranged to transfer dinner guests to the venue at 18:00.

THURSDAY 14 NOVEMBER

09:00 Exhibition floor opens

09:30 – 10:00 Keynote speaker: Printed circuit heat exchangers: Application development along the energy transition. *Richard Bowcutt, Parker*

10:00 – 11:00 Session: Energy transition and heat exchanger applications

Moderator: Jeroen van Ruitenbeek

- Thermal transfer solutions to optimise the energy balance of anaerobic digestion plants. *Arnold Kleijn, HRS Heat Exchangers*
- Carbon capture and storage on post combustion absorption process highlighting various heat exchangers needs and KTS solutions for those, *Roy Niekerk, Kelvion*
- Cooling water system selection, a challenge in green hydrogen plants, *Nazari Shahab, McDermott, Mark van der Heijden, McDermott*

10:00 – 11:00 Session: Heat exchanger design

Moderator: Musa Smakaj

- Enhanced welded tubes: from the strip to the heat exchange performance. *Olivier Favrat, Neotiss*
- Maximising heat transfer efficiency through boiling and condensation phase changes. *Nathan Hill, CALGAVIN Ltd*
- From weld seams to heat exchangers: manufacturing & design optimisation with AI. *Elmar Münchinger, Lauterbach Verfahrenstechnik GmbH*

11:00 Coffee and networking on the exhibition floor

11:30 – 12:30 Session: Fouling/cleaning operations

Moderator: Hans Zettler

- AGITATE – Industrial solution for fouling and scaling. *Mark Bruce, Agitate Ultrasonics*
- Application of a self-cleaning fluidized bed heat exchanger using a bundle made of graphite. *Marco van Beek, KLAREN Technology*

11:30 – 12:30 Session: Electrical heat exchangers

Moderator: Jeroen van Ruitenbeek

- Electrification of heating processes – the road towards a fossil-free industry. *Dilip Chandrasekaran, Kanthal*
- Evolution and developments in electric heat exchangers. *Luuk de Niet, Thermon*

12:30 Lunch break and networking on the exhibition floor

14:00 – 15:30 HEAT EXCHANGER WORLD ROOM 3 Supply chain & availability issues – a panel discussion

Moderator: Barinder Ghai

Join the discussion as our experts representing EPCs, end-user companies, fabricators, and manufacturers discuss issues they most commonly face affecting the supply chain. Topics covered include the availability of grades and product forms, supply bottlenecks, material restrictions, etc and how these can be alleviated. The discussion will also feature an extensive Q&A with an audience.

1. *Mohamed Ghafri, Petroleum Development Oman*
2. *Prabhu Bala, Precision Equipments*
3. *Mark van den Broek, Fluor*
4. *Alexander de Vries, Geurts Heat Exchangers*

15:30 Refreshments and conference closing