



16th International Conference on Sustainable Energy & Environmental Protection
SEEP2024



Sustainable Steam Symposium

Hybrid Venue: Spirax Sarco, Cheltenham, United Kingdom
10th September 2024

Symposium Chair Dr. Julien Porre

Session Chair: Dr. Julien Porre
Opening Session

08:45-8:50

Safety moment

08:50- 09:00

Welcome Talk by: Dr. Julien Porre
Head of Global Research and Technology at STS, Spirax Group



09:00 -09:30	Keynote By: Cormac Hanly Lead Sector & insights Manager at STS, Spirax Group	
09:30 – 10:00	Coffee Break	
Session A5 Chaired by: Dr. Julien Porre		
10:00 – 10:30	Invited talk By: Prof. Abdulnaser Sayma	
10:30– 10:50	Ben Frisby	Steam Compression - challenges and technologies
10:50-11:10	Jonas Lundsted Poulsen & David Oliver	Sustainable process Heating with high temperature heat pumps using natural refrigerants
11:10 – 11:30	Luke Gardener & Soren Mortenson	Specifically configured pumps contributing to Sustainable Steam + Grants Whiskey Case Study'
11:30- 11:50	Martin White	Innovation in heat recovery systems operating with organic fluids
11:50 - 13:00	Lunch	
Session A6 Chairperson: Dr. Sulaiman Almahmoud		
13:00-13:30	Keynote by Dave Forte Head of Strategic Business at STS, Spirax Group	
13:30 – 13:50	Bertrand Delpech	Radiative Heat Pipe Ceiling for Waste Heat Recovery and Uniform Cooling in the ceramics industry
13:50 – 14:10	Kevin Rushbrooke	A review of technology and commercial readiness of Thermal Energy Storage technologies for industrial steam applications.
14:10 – 14:30	Rafal Chachulski	The Latest Advancements and Challenges in the Digital Analysis of Steam Heat Exchanger Systems
14:30 – 15:00	Coffee Break	



Session A7		
Chairperson: Dr. Sulaiman Almahmoud		
15:00 – 15:20	Vitaliy Sechenyh	Background noise in acoustic-based non-intrusive condition monitoring of steam equipment
15:20 – 15:40	Piyush Lakhani	Optimizing Acoustic-based Monitoring through Feature Importance Analysis
15:40-16:00	Francis Deterville	Advanced Techniques for Measuring Steam Dryness: Applications and Impact on the Food and Beverage Industry
16:00-17:00	Panel discussion Chaired by: Dr. Julien Porre	
Closing Day 2		