

Agenda - Workshop on “Digital Twins for the Decarbonization of hard-to-abate Industries”

Thessaloniki, Greece, September 12-13, 2024

Thursday 12/09/24	
8:00	Bus transfer to CERTH. Pick up point
08:30	Registration / Sign attendance list
09:00 - 09:20	Alessandro Parente (Chair, ULB) CYPHER Vision on industry decarbonization and digital twin
09:20 - 09:40	Eric Lecomte (European Commission) EU policies for a climate neutral industry – the twin green and digital transition
09:40 - 10:10	Peter Gorm Larsen (Aarhus University) Digital twin applications in the manufacturing industry
10:10 – 10:40	Eduard Petlenkov (Tallin University) Digital twins for enhancing energy efficiency
10:40- 11:00	Break
11:00 – 11:30	Jorg Leicher, (Gas- und Wärme-Institut) The future of industrial (high-temperature) process heating: electricity and/or hydrogen?
11:30 – 12:00	Javier Ballester (University of Zaragoza) Flame signals for real-time monitoring and control
12:30 – 12:30	Richard Simon (International Energy Agency) Industrial Decarbonisation in the context of the Net Zero transition
12:30 - 14:00	Break
14:00 - 14:30	Panagiotis Kyrtatos (Propulsion Analytics) Digital Twins for Marine Asset Performance Monitoring
14:30 - 16:30	EU-funded projects focusing on Energy-Intensive Industries, Renewable Synthetic Fuels and Digitalization
HyInHeat	Alex Garcia-Vergara and Johannes Losacker, RWTH University
H2Glass	Chiara Caccamo, SINTEF Energy Research
TWINGHY	Shubham Shubhamm, Barcelona Supercomputing Center
H2AL	Alessandro Parente, Université libre de Bruxelles – H2AL
	Discussion: Synergies and common actions through CYPHER
16:30 - 17:30	Poster Session
20:00	Dinner at Massalia (find it here)

Friday
13/09/24

8:00 Bus transfer to CERTH. [Pick up point](#)

08:30 **Registration / Sign attendance list**

09:00 - 11:00 **Accelerating energy transition and decarbonisation in energy-intensive industries: achievements, challenges and perspectives**

Johan van der Dennen (*Celsian*)

Nicolas Bourgeois (*AGC*)

Alessandro Della Rocca (*Tenova*)

Christophe Petre (*Ansys Fluent*)

Vasileios Chatzikos and Charilaos Toloumis (*Siemens*)

Juan Palacios Taubmann (*Tecnalia*)

11:00- 11:30 **Break**

11:30 - 12:30 **Roundtable: Challenges and opportunities in the deployment of Digital Twins for Energy-Intensive Industries**

12:30 **Lunch and Farewell**