



**Preliminary Programme: ERCOFTAC Autumn Meeting** <https://www.ercoftac.org/events/ercoftac-autumn-festival-and-20th-da-vinci-competition-2025/>

**Thursday, 09.10.2025**

Room : L1 | 01 K24

09:00 – 09:10	Introduction and welcome	Andreas Dreizler	RSM	Welcome
09:10 – 09:50	<b>Review talk 1</b>	Johannes Mich	STFS	“Great flames from small particles. Measurement and Modelling of Metal Combustion.”
09:50 – 10:10	<b>Contributed talk 1</b>	Peter Stephan/ Axel Sielaff	TTD	“Insights into Pool Boiling Heat Transfer: Experimental and Numerical Investigations from the Multiscale Boiling Project on the ISS”
10:10 – 10:30	<b>Contributed talk 2</b>	Felix Wolf	Informatik	“High-Performance Computing for Computational Engineering Science”
10:30 – 11:00	Coffee break			
11:00 – 11:40	<b>Review talk 2</b>	Tao Li	RSM	“Experimental Insights into Turbulent Ammonia/Hydrogen Combustion”
11:40 – 12:00	<b>Contributed talk 3</b>	John Linkhorst	VES	“Flow Electrochemistry for the Metal Energy Cycle”
12:00 – 12:20	<b>Contributed talk 4</b>	Naveen Billur Mohan	FST	“Lubrication Film Friction Model for Non-Symmetrically Profiled Annular Seals”
12:20 – 13:20	Lunch break			
13:20 – 13:40	<b>Contributed talk 5</b>	Louis Krüger	SLA	“Flow and Heat Transfer Dynamics in Fuel Cell Cooling Systems: A complementary Experimental and Scale-Resolving Computational Study”
13:40 – 14:00	<b>Contributed talk 6</b>	Michael Börner	GLA	“Rotation detonation combustor research for space propulsion applications at TU Darmstadt”
14:00 – 14:20	<b>Contributed talk 7</b>	Florian Kummer	FDY	„Numerical Simulation of Flows with dynamic Interfaces“
14:20 – 14:40	<b>Contributed talk 8</b>	Falco Marx	EST	“Advancing Waste Valorization via Fluidized Bed Thermochemical Conversion”
14:40 – 15:00	Coffee break			
15:00 – 16:40	<b>Da Vinci Award Session</b>	5 Finalists		
15:00 – 15:20	Finalist 1			
15:20 – 15:40	Finalist 2			
15:40 – 16:00	Finalist 3			
16:00 – 16:20	Finalist 4			
16:20 – 16:40	Finalist 5			
16:40 – 17:10	Coffee Break Committee deliberating			
17:10 – 17:30	Decision and Presentation of Da Vinci Award			
17:30	Closing remarks			
19:30	<b>Gala Dinner</b>	to be announced		

**Friday, 10.10.2025**

Room : L6 | 01 Raum 4/23

EG

09:00 - 15:00 ERCOFTAC-Sitzung