



Preliminary Programme: EROFTAC 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	Review talk 1	Johannes Mich	STFS	"Great flames from small particles. Measurement and Modelling of Metal Combustion."
09:50 – 10:10	Contributed talk 1	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	Contributed talk 2	Felix Wolf	Informatik	"High-Performance Computing for Computational Engineering Science"
10:30 – 11:00	Coffee break			
11:00 – 11:40	Review talk 2	Tao Li	RSM	"Experimental Insights into Turbulent Ammonia/Hydrogen Combustion"
11:40 – 12:00	Contributed talk 3	John Linkhorst	VES	"Flow Electrochemistry for the Metal Energy Cycle"
12:00 – 12:20	Contributed talk 4	Naveen Billur Mohan	FST	"Lubrication Film Friction Model for Non-Symetrically Profiled Annular Seals"
12:20 – 13:20	Lunch break			
13:20 – 13:40	Contributed talk 5	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	Contributed talk 6	Michael Börner	GLA	"Rotation detonation combustor research for space propulsion applications at TU Darmstadt"
14:00 – 14:20	Contributed talk 7	Florian Kummer	FDY	"Numerical Simulation of Flows with dynamic Interfaces"
14:20 – 14:40	Contributed talk 8	Falco Marx	EST	"Advancing Waste Valorization via Fluidized Bed Thermochemical Conversion"
14:40 – 15:00	Coffee break			
15:00 – 16:40	Da Vinci Award Session	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	Gala Dinner	to be announced		

Friday, 10.10.2025

Room : L6|01 Raum 4/23

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09:00 - 15:00 EROFTAC-Sitzung