

Program konference

Středa 24. 6. 2026

	10:00 – 11:45	<i>Registrace</i>	
	12:00 – 13:00	Oběd	
	13:00 – 13:20	<i>Zahájení konference</i>	
Mechanika tekutin I	13:20 – 13:40	Ing. Dávid Vranský <i>Cavitation Development in a Single-Blade Slurry Pump</i>	STU
	13:40 – 14:00	prof. Ing. Václav Uruba, CSc. <i>Spanwise Coherence in a Circular-Cylinder Wake</i>	ZČU
	14:00 – 14:20	doc. Ing. Marek Mlkvik, PhD., <i>Water Micro-Drop Deposition after Oblique Impact on Solid Surface</i>	STU
	14:20 – 14:40	Ing. Marian Ledvoň, Ph.D. <i>Hydraulic Resistance of Cenosphere Filtration Beds</i>	VŠB
	14:40 – 15:00	Ing. Kryštof Lebeda <i>Centrifugal Pump Operating in Pump, Energy-Dissipation and Turbine Regimes</i>	VUT
		15:00 – 15:20	Občerstvení
Mechanika tekutin II	15:20 – 15:40	Ing. Pavel Novosad <i>Supercritical Bubble Discharge Imaging in a Liquid Jet</i>	VUT
	15:40 – 16:00	Ing. Adam Benčat <i>Flow-induced Acoustic Resonance in Closed Side-Branched</i>	STU
	16:00 – 16:20	Ing. Ondřej Pech, Ph.D. <i>Research on Capture Efficiency of a Reinforced Slot Exhaust Hood for Lighter-than-Air Contaminants</i>	VUT
	16:20 – 16:40	Ing. Jiří Vondál, Ph.D. <i>Tire Wear Particle Sampling under Roller Test Bench Conditions</i>	SVS FEM
	16:40 – 17:00	Ing. Jiří Hájek <i>Spray Deposition of Antibacterial Coatings</i>	VUT
	17:00 – 17:20	Ing. Darina Liederhausová, Ph.D., Ing. Paed. Igip <i>Non-Spherical Particle Dynamics in a Rotor Spinning Trash Ejector</i>	TUL
	17:00 – 18:00	<i>ITEM Meeting – mimo oficiální program</i>	
	18:00 – 19:00	Večeře	
	20:00 – 22:00	Diskusní večer	

Čtvrtek 25. 6. 2026

Energetika a spalování	08:20 – 08:40	Ing. Ladislav Šnajdárek, Ph.D. <i>Gaskets for High-Temperature Applications in the Energy Sector</i>	MICo Servis
	08:40 – 09:00	prof. Ing. Jozef Jandačka, PhD. <i>Surplus Electricity Regulation in an Off-grid PV System</i>	UNIZA
	09:00 – 09:20	Ing. Nikola Čajová Kantová, PhD. <i>Combustion Air Supply and Emission Formation in a Wood Stove</i>	UNIZA
	09:20 – 09:40	Ing. Petr Kracík, Ph.D. <i>Flue Gas Condenser Comparison: Lab vs. Pilot-Plant Scale</i>	VUT
	09:40 – 10:00	prof. Ing. Michal Masaryk, PhD <i>Solar-Powered Ejector Cooling for Building Air-Conditioning</i>	STU
	10:00 – 10:20	prof. Ing. Michal Holubčík, PhD. <i>Utilization of the Invasive Plant Reynoutria Japonica for Energy Purposes</i>	UNIZA
	10:20 – 10:40	Občerstvení	
Elektromobilita a akumulace		prof. Ing. Josef Štětina, Ph.D. <i>Real-Drive EV Data for Thermal Management & Euro 7 Assessment</i>	VUT
	11:00 – 11:20	Ing. Lukáš Preisler <i>Thermal Performance of Li-ion Battery Cells</i>	VUT
	11:20 – 11:40	Ing. Filip Duda, PhD. <i>Hydrogen Technologies in the Transport Sector</i>	TUKE
	11:40 – 12:00	Ing. Martin Miško <i>EV Charging Infrastructure Analysis at BUT Campus</i>	VUT
	12:00 – 12:20	Doc. Ing. Peter Ďurčanský, PhD. <i>Energy Storage System Management and Grid Integration</i>	UNIZA
		12:20 – 13:20	Oběd
	13:30 – 18:00	Exkurze / turistika	
	14:00	Odjezd autobusu od hotelu	
	14:30	Vyzvednutí vstupenek	
	15:20	Prohlídka Punkevních jeskyní a Macocha	
	18:00	Odjezd autobusu od Skalního mlýna	
	19:00 – 20:00	Večeře	
	20:00 – 23:00	Společenský večer	

Pátek 26. 6. 2026

Přenos tepla I	09:00 – 09:20	Ing. Lukáš Sahuľ <i>Passive Condensate Return in Pump-less Ejector Refrigeration</i>	STU
	09:20 – 09:40	doc. Ing. Ján Kizek PhD <i>CFD Heat Transfer in a Cooler for Airlift Fermenter Sampling</i>	TUKE
	09:40 – 10:00	doc. Ing. Milan Hnízdl, Ph.D. <i>Heat Transfer Research in Industrial Applications</i>	VUT
	10:00 – 10:20	Ing. Alexander Čaja, PhD. <i>Control of a Transcritical CO₂ Heat Pump</i>	UNIZA
	10:20 – 10:40	Občerstvení	
Přenos tepla II	10:40 – 11:00	Ing. Patrik Nemeč, PhD. <i>Increasing the Efficiency of Heat Sources Using a Heat Pipe</i>	UNIZA
	11:00 – 11:20	Ing. Lukáš Tóth, PhD. <i>MH Alloy Grain Fragmentation and Void Formation in a Pressure Vessel</i>	TUKE
	11:20 – 11:40	Prof. Ing. František Kavička, CSc. <i>Stopping of Continuous Casting Machine – Physical Similarity Theory</i>	VUT
	11:40 – 12:00	Ukončení konference	
	12:00 – 13:00	Oběd	