

NTREM 2026 -agenda

Approx. Time	Wednesday April 22, 2026	Approx. Time	Thursday April 23, 2026	Approx. Time	Friday April 24, 2026
7:30-8:30	Registration				
	Lecture hall A1 Session 1		Lecture hall A1 Session 3		Lecture hall A1 Session 5
8:30	meeting of speakers with chairman		meeting of speakers with chairman		meeting of speakers with chairman
8:45	Seminar opening & Organization remarks	8:30	Matthieu Daniel Database screening for the identification of potential thermostable and powerful explosives	9:00	Raphaël Terreux A new synthetic index enabling AI-guided discovery of novel molecules
9:20	Navid Rahman Synthesis and characterization of salts based on 1,2- bis(5-(trifluoromethyl)-4H-1,2,4-triazol-3-yl)diazene	8:50	Qin Liu Investigation of energy release characteristics of energetic materials	9:20	Martin Braithwaite Prediction of ideal detonation characteristics in high explosives – challenges and opportunities
9:40	Shouei Yiu Investigating the effect of nitration degree on nitroresorcinol-based energetic coordination compounds	9:10	Wei Cao Disc acceleration experiments and simulation of HMX-based aluminized explosives with PTFE addition	9:40	Shiro Kubota Evaluation of mixed gas and solid components in detonation products
10:00	Qing Ma Synthesis and characterization of pyrazolo[3,4- b]pyridine fused insensitive high-energy materials	9:30	Peter Schultz Cycled DSC-analysis of HNS in energetic melts	10:00	Manfred A. Bohn Simulation of heat flow curves from microcalorimetry- What has been achieved already
10:20	coffee break	9:50	Xing-long Li Research on propagation characteristics of explosion shock waves from typical aluminized explosives under negative pressure environment	10:20	coffee break
10:40	Lukas Eberhardt Synthesis and physicochemical characterization of energetic salts derived from 5-methyl-1- nitraminotetrazole	10:10	coffee break	10:40	Hiroki Matsunaga Thermal decomposition and combustion of ammonium dinitramide-based high energetic ionic liquids with improved ignitability
11:00	Amr Helmy Replacement of RDX by TKX-50 in a putty-plastic bonded explosive based on polydimethylsiloxane (PDMS)	10:30	Geir Petter Novik An emerging safety hazard: triacetone triperoxide formation in aged 2-propanol	11:00	Harmonization of fertilizer safety testing across manufacturing, storage, and transport
11:20	Arnaud Osi Oxidant filled nanoporous carbon as lead-free primary explosive	10:50	Zi-jian Lyu Exploration of differences in anti-static ability of various explosives	11:20	Katsumi Katoh Friction sensitivity testing variations by porcelain consumable type and plate-peg contact state
11:40	Han Gao Study of LLM-105 porous spherulites; preparation, characterization and crystallization mechanism	11:10	Marcin Hara Investigation of the reaction of selected pyrotechnic and explosive mixtures to bullet impact	11:40	Jimmie Oxley (alt.Guy Marlair) Unraveling the actual safety benefits of adding inorganic fillers to ammonium nitrate
12:00	Lunch	11:30	2 min oral poster introduction - 36 posters!	12:00	Closing Session Prize Awards
		12:50	Group photography before Lunch		
		13:00	Lunch		
	Lecture hall A1 Session 2		Foyer Session 4		
	meeting of speakers with chairman	14:00	Poster Session		
14:00	Harvey J. Newman On the use of a closed vessel to determine the effect of novel ballistic modifiers on the burn rate				
14:20	Davney Ondié-Pandzou Burning velocity of pyrotechnic compositions at various compaction pressures				
14:40	Kento Shiota Influence of water contamination on the combustion behavior of ammonium dinitramide-based formulation containing monomethylamine and urea				
15:00	coffee break	16:30	Scientific committee meeting at lecture hall A1		
15:20	Adam Brandt A comparison of different methods in the analysis of the nitrogen content of nitrocellulose				
15:40	Inés Cabete Ageing effects on the structure and chemistry of gun propellants	18:30	Social Event Dinner at Atrium Palace 18:15 – 22:00		
16:00	Suzanne Romeijn Feedstock scarcity, alternative cellulose sources for gun propellants	22:00			
	Guided tour through Pardubice in the footsteps of Silver A 16:45 – 18:30 (max 40 participants)				