



Final program

Time	Wednesday April 10, 2019	Time	Thursday April 11, 2019	Time	Friday April 12, 2019
	Registration				
	Lecture hall A1 Session 1 Chair: Ruth Doherty		Lecture hall A1 Session 3 Chair: Karl Rink		Lecture hall A1 Session 5 Chair: Adam Cumming
8:20	Opening speech - University representative	8:20	Gozin - invited Development of promoters for hypergolic reactions	8:40	Lempert The dependence of the specific impulse of propellants based on mixtures of NF ₂ -containing oxidizer with aluminum upon the components content
8:40	organization remarks - Pachman	8:50	Hara Studies of the ballistic parameters of new complex propellants	9:00	Vahcic Development of inert simulants for high explosives at the JRC Geel – problems and perspectives
8:50	Sabatini - invited Synthesis of Melt-Castable Explosive and Propellant Plasticizing Materials	9:10	Li Electrospinning preparation of micro/nanoscale-Al/MoO ₃ thermite fibers with enhanced combustion performances through incorporating nano-carbon materials	9:20	Yanyang Study on the Synthesis and Properties of the Initiation Explosives for Applications in Impact Detonator
9:20	Wurzenberger New ligands and energetic coordination compounds for use as primary and laser ignitable explosives	9:30	Štimac Detonation reaction zone in nitromethane: Experimental and numerical studies	9:40	Katoh Preparation and dismantability evaluation of urethane acrylate resin containing inorganic salts
9:40	Fershtat New family of energetic salts incorporating tetrazolyfuroxan core	9:50	Morley Influence of reaction rate on optical emission spectra of HMX	10:00	Mochalova Investigation of detonation properties of tetranitromethane/methanol mixture
10:00	Ek Synthesis and characterisation of tri- and tetraethyleneglycoldiazide for their use as energetic plasticisers	10:10	coffee break	10:20	coffee break
10:20	coffee break	10:30	Su Design and fabrication of aluminum-free energetic thermites films with high activity, energy density and stability	10:40	Terreux Prediction of properties of a High Energy Molecules using Recursive Molecular Similarity (R.MoS)
10:40	Gospodinov 4,4'-Bipyrazole as a building block for new energetic materials	10:50	Zharkov Phlegmatization of HMX and CL-20 particles via fine polymer coating in supercritical carbon dioxide medium	11:00	Boukouvalas Using natural language processing techniques to extract information on the properties and functionalities of energetic materials from large text corpora
11:00	Gutowski Nitro derivatives of benzo[c]cinnoline-5-oxide as new energetic compounds	11:10	Zhang Research on Performance of CL-20 Based Explosives with Different Binder Systems	11:20	Zakharov Thermodynamic and kinetic study of 2,4-bis(N,N-dimethylamino)-6-trinitromethyl-1,3,5-triazine
11:20	Du Study on the structure-property relationship of energetic metal-organic frameworks: A guide to the development of high energetic materials	11:30	Group photography before Lunch	11:40	Bohn Characterizing of glass-rubber transition shift in filled HTPB-IPDI formulations by modified and normal Arrhenius equation
11:40	Dufter Lithium dihydrobis(azoly)borates as colorants for strontium- and chlorine-free red pyrotechnics	12:00	Lunch	12:00	Closing Session Prize Awards
12:00	Lunch				
	Lecture hall A1 Session 2 Chair: Tatyana S. Pivina		Foyayer Session 4 Chair: Svatopluk Zeman		
14:00	Rečko Study on explosive properties of BCHMX	14:00	Poster Session		
14:20	Chen Combination High Energy with Stability: Polynitrogen Explosives N14 and N18				
14:40	Šen Crystal Engineering of Energetic Materials: Co-crystals of 2,4,6-trinitrophenol with Modified Performance and Improved Sensitivity				
15:00	Van Riet A novel energetic nanomaterial based on nanoporous carbons	16:30	Scientific committee meeting at lecture hall A1		
16:00	optional visit to Institute of Energetic Matrials sign up at coffee table	18:30	Social Event Dinner 18:30 – 22:00		