

Monday, 28 th of August		Tuesday, 29 st of August				Wednesday, 30 th of August				Thursday, 31 st of August						
8 ³⁰ -13 ⁰⁰	Short Summer School on TA&C	9 ⁰⁰ -9 ⁴⁰	Atsumi Miyake, PL1				9 ⁰⁰ -9 ⁴⁰	Ignazio Blanco, PL2				9 ⁰⁰ -9 ⁴⁰	Crisan Popescu, PL3			
		9 ⁴⁰ -10 ¹⁰	Nicolas Sbirrazzuoli, IL1				9 ⁴⁰ -10 ¹⁰	Athanasios Tiliakos, IL3				9 ⁴⁰ -10 ¹⁰	Joan-Josep Sunol, IL5			
		10 ¹⁰ -11 ⁴⁰	Poster session 1 Coffee break				10 ¹⁰ -11 ⁴⁰	Poster session 2 Coffee break				10 ¹⁰ -11 ⁴⁰	Poster session 3 Coffee break			
		11 ⁴⁰ -12 ⁰⁰	OP1.01	OP2.01	OP3.01	OP4.01	11 ⁴⁰ -12 ⁰⁰	OP1.11	OP2.11	OP3.11	OP4.11	11 ⁴⁰ -12 ⁰⁰	OP1.18	OP2.18	OP3.18	OP4.18
		12 ⁰⁰ -12 ²⁰	OP1.02	OP2.02	OP3.02	OP4.02	12 ⁰⁰ -12 ²⁰	OP1.12	OP2.12	OP3.12	OP4.12	12 ⁰⁰ -12 ²⁰	OP1.19	OP2.19	OP3.19	OP4.19
		12 ²⁰ -12 ⁴⁰	OP1.03	OP2.03	OP3.03	OP4.03	12 ²⁰ -12 ⁴⁰	OP1.13	OP2.13	OP3.13	OP4.13	12 ²⁰ -12 ⁴⁰	OP1.20	OP2.20	OP3.20	OP4.20
	12 ⁴⁰ -13 ⁰⁰	OP1.04	OP2.04	OP3.04	OP4.04	12 ⁴⁰ -13 ⁰⁰	OP1.14	OP2.14	OP3.14	OP4.14	12 ⁴⁰ -13 ⁰⁰	OP1.21	OP2.21	OP3.21	OP4.21	
13 ⁰⁰ -14 ³⁰	Lunch	13 ⁰⁰ -14 ³⁰	Lunch				13 ⁰⁰ -14 ³⁰	Lunch				13 ⁰⁰ -14 ³⁰	Lunch			
14 ³⁰ -16 ³⁰	Short Summer School on TA&C	14 ³⁰ -14 ⁴⁰	CEEC-TAC7 Info				14 ³⁰ -14 ⁴⁰	CEEC-TAC7 Info				14 ³⁰ -14 ⁴⁰	CEEC-TAC8 Info			
		14 ⁴⁰ -15 ²⁰	Sergey Verevkin, APL1				14 ⁴⁰ -15 ²⁰	Kinga Pielichowska, APL2				14 ⁴⁰ -15 ²⁰	Branislav Stankovic, APL3			
		15 ²⁰ -15 ⁵⁰	Nieves Barros, IL2				15 ²⁰ -15 ⁵⁰	Nobuyoshi Koga, IL4				15 ²⁰ -15 ⁵⁰	Laurent Delbreilh, IL6			
11 ³⁰ -16 ³⁰	Registration of participants at CEEC-TAC7	16 ⁰⁰ -16 ²⁰	OP1.05	OP2.05	OP3.05	OP4.05	16 ⁰⁰ -16 ²⁰	OP1.15	OP2.15	OP3.15	OP4.15	15 ⁵⁰ -16 ⁰⁰	Closing Ceremony			
		16 ²⁰ -16 ⁴⁰	OP1.06	OP2.06	OP3.06	OP4.06	16 ²⁰ -16 ⁴⁰	OP1.16	OP2.16	OP3.16	OP4.16	16 ⁰⁰	Farewell			
		16 ⁴⁰ -17 ⁰⁰	OP1.07	OP2.07	OP3.07	OP4.07	16 ⁴⁰ -17 ⁰⁰	OP1.17	OP2.17	OP3.17	OP4.17					
16 ³⁰ -18 ⁰⁰	Afternoon break	17 ⁰⁰ -17 ³⁰	Coffee break				17 ⁰⁰ -17 ⁴⁵	ICTAC Standards & Nomenclature								
18 ⁰⁰ -19 ⁰⁰	Opening Ceremony	17 ³⁰ -17 ⁵⁰	OP1.08	OP2.08	OP3.08	OP4.08	17 ⁴⁵ -20 ⁰⁰	Afternoon break								
		17 ⁵⁰ -18 ¹⁰	OP1.09	OP2.09	OP3.09	OP4.09										
19 ⁰⁰ -19 ⁴⁰	Jaroslav Sestak, HL	18 ¹⁰ -18 ³⁰	OP1.10	OP2.010	OP3.10	OP4.10										
19 ⁴⁰ -22 ⁰⁰	Welcome Cocktail	18 ³⁰ -19 ¹⁵	ICTAC Kinetics				20 ⁰⁰ -24 ⁰⁰	Conference Dinner								
		19 ¹⁵ -20 ⁰⁰	CEEC-TAC General Assembly													

1. Room A at BUT-FCH (P1)

2. Room B at BUT-FCH (P16)

3. Room C at BUT-FCH (P17)

4. Room D at BUT-FCH (P4)

1-4: Brno University of Technology, Faculty of Chemistry, Purkynova 464/118, Brno

5. Room E at BUT-Rectorate

5: Brno University of Technology, Rectorate, Antoninska 548/1, Brno

6. Poster and Coffee break area at BUT-FCH

6: Brno University of Technology, Faculty of Chemistry, Purkynova 464/118, Brno

7. Kanas Restaurant

7: Kolejní 14, Brno

8. Pivovarský dům Poupě Restaurant

8: Dominikánská 342/15, Brno

Program of CEEC-TAC7

28-31 August 2023
Brno, Czech Republic

Honorary, Award Plenary, Plenary & Invited Lectures				
No	Name	Country	Abstract title	Code
Honorary Lecture				
1	Sestak, Jaroslav	Czech Republic	Former personalities of the Czech-Slovak thermal analysis community and their inventive contributions	HL
Award Plenary Lectures				
1	Verevkin, Sergey	Germany	The Gibbs-Helmholtz equation in modern thermochemistry: combining calorimetric and quantum chemical methods	APL1
2	Pielichowska, Kinga	Poland	Thermal analysis of advanced phase change materials for thermal energy storage	APL2
3	Stankovic, Branislav	Serbia	Modelling of the kinetics of dehydration of poly(acrylic acid) hydrogel – 15 years after	APL3
Plenary Lectures				
1	Miyake, Atsumi	Japan	Thermal risk analysis of lithium-ion batteries under overheating in waste treatment systems	PL1
2	Blanco, Ignazio	Italy	The role of thermal methods in Additive Manufacturing	PL2
3	Popescu, Crisan	Germany	Stories of hair told by Thermal Analysis	PL3
Invited Lectures				
1	Sbirrazzuoli, Nicolas	France	Advanced isoconversional kinetic analysis: Insights in polymerization mechanisms	IL1
2	Barros, Nieves	Spain	Beginning to calculate thermodynamic state functions for soils: the role of thermal analysis and calorimetry	IL2
3	Tiliakos, Athanasios	Romania	Ion transport mechanisms in superionic ceramic conductors	IL3
4	Koga, Nobuyoshi	Japan	Exploring physico-geometrical kinetic features of the thermal decomposition of solids using thermal analysis	IL4
5	Sunol, Joan-Josep	Spain	Thermal analysis of magnetic materials	IL5
6	Delbreilh, Laurent	France	Investigating the physical aging of epoxy resins for civil engineering applications	IL6

Oral Presentations 1. Theory & Methods, Kinetics & Structural Changes, Fuels & Biofuels, Energetics and Applied Thermal Engineering				
No	Name	Country	Abstract title	Code
1	Bartonickova, Eva	Czech Republic	Effect of S, Cu and Li doping on C ₃ A hydration kinetics	OP1.01
2	Fernandez Merayo, Noelia	Germany	Thermokinetic analysis and characterization of polyethylene terephthalate (PET) nanoparticles biodepolymerization via isothermal titration calorimetry	OP1.02
3	Moukhina, Elena	Germany	New NETZSCH Software for thermal simulation of chemical reactions in big volumes	OP1.03
4	Simon, Peter	Slovakia	Applicability of the methods based on the general rate equation	OP1.04
5	Farjas, Jordi	Spain	Application of isoconversional methods for predicting the cure of epoxy composites under arbitrary thermal histories	OP1.05
6	Uraz, Emre	Turkey	Determination of biomass composition by kinetic analysis of thermogravimetric data	OP1.06
7	Stolov, Andrei	USA	Application of isothermal and non-isothermal TG to acrylate coatings on optical fibers: experimental verification of isoconversion principle	OP1.07
8	Ito, Masayuki	Japan	On the comment to ISO 11358-2 obtaining activation energy of thermal degradation of linear low density polyethylene	OP1.08
9	Wojtacha, Anna	Poland	Thermodynamic prediction and experimental verification of phase transformation kinetics in 3Mn steel with Ti and V microadditions	OP1.09
10	Shanelova, Jana	Czech Republic	Effect of nucleation on crystallization of chalcogenide glasses	OP1.10
11	Hancova, Pavla	Czech Republic	Overall evaluation of structural relaxation of selected chalcogenide glasses based on DSC data	OP1.11
12	Kostal, Petr	Czech Republic	Viscosity of chalcogenide glass-formers	OP1.12
13	Di Lorenzo, Maria Laura	Italy	CO ₂ -induced crystallization of poly(L-lactic acid): enhanced cold crystallization with growth of α' -crystals	OP1.13
14	Omrani, Iman AN	Poland	The ice and salt crystallization patterns of the MgSO ₄ ·nH ₂ O system within the sandstone under temperature fluctuations	OP1.14
15	Katoh, Katsumi	Japan	Influence of additives on the thermal and combustion behaviors of gas generators based on guanidine nitrate and basic copper nitrate	OP1.15
16	Matsunaga, Hiroki	Japan	Gas generation behaviour in the decomposition of ammonium dinitramide and hydrazide mixtures	OP1.16
17	Kaniewski, Maciej	Poland	Thermal analysis as a tool to assess safety of ammonium nitrate and its mixtures	OP1.17
18	Moreau, Stephan	France	Unique setups for unique applications	OP1.18
19	Brebu, Mihai	Romania	The effect of temperature on gradual degradation of structural components in biomass residues	OP1.19
20	Soltysik, Marcelina	Poland	Thermogravimetric analysis of bioadsorbents from coffee residue for CO ₂ capture	OP1.20
21	Kivimae, Eliise-Koidula	Estonia	Changes in the thermal behaviour of phosphorite sample from Toolse deposit (Estonia) along the drill-core	OP1.21

Oral Presentations 2. Thermodynamics & Calorimetry of Solids, Thin Films, Nanostructures & Nanomaterials

No	Name	Country	Abstract title	Code
1	Pulidori, Elena	Italy	Characterization of unknown animal glues from artwork samples by thermal, rheological, and structural analysis	OP2.01
2	Barannikov, Ruslan	Czech Republic	Thermal behaviour of lead and mercury carboxylates as paintings' degradation products	OP2.02
3	Ksepko, Ewelina	Poland	Fe spinel-based materials for biomass combustion applications	OP2.03
4	Shekhawat, Deepshikha	Germany	Controlling the reaction path of Ni/Al reactive multilayer on substrates	OP2.04
5	Radovanovic-Peric, Floren	Croatia	Defect engineering of titanium oxide thin films printed via one-step reactive spark plasma discharge coupled with aerosol direct writing	OP2.05
6	Bartak, Jaroslav	Czech Republic	Surface mobility and crystal growth study in chalcogenide thin films	OP2.06
7	Martinkova, Simona	Czech Republic	Two types of crystal growth in Se-Te thin films	OP2.07
8	Zuzjakova, Sarka	Czech Republic	Tuning properties and behaviour of W-Zr thin-film metallic glasses	OP2.08
9	de Abreu, Danilo Alencar	Germany	Li ₂ O-Al ₂ O ₃ and Li ₂ O-SiO ₂ systems: experimental investigations and thermodynamic modelling	OP2.09
10	Fuglein, Ekkehard	Germany	Isothermal Calorimetry for investigation of heat signatures of batteries during charging and discharging	OP2.10
11	Loffler, Manuel	Germany	Development of thermodynamic database for ZrO ₂ -Y ₂ O ₃ -HfO ₂ -Ta ₂ O ₅ system	OP2.11
12	Mandic, Vilko	Croatia	Regeneration and reuse properties of the highly effective electrochemically-derived nanostructured ordered titania photocatalyst	OP2.12
13	Muzina, Katarina	Croatia	γ -Al ₂ O ₃ supported MnO _x catalysts for VOCs oxidation	OP2.13
14	Broz, Pavel	Czech Republic	Study of the Hf-Mn system by thermal and phase analysis and calorimetry	OP2.14
15	Bajtosova, Lucia	Czech Republic	In-situ TEM annealing of Al-Cu-Al heterogeneous nanostructures	OP2.15
16	Skowronek, Adam	Poland	Thermodynamic simulation and experimental verification of phase transitions in medium-Mn alloy	OP2.16
17	Cieslar, Miroslav	Czech Republic	Electron microscopy and molecular dynamics study of Ni nanoparticles at elevated temperatures	OP2.17
18	Xavier Ramos, Carlos Augusto	Portugal	Fitting theoretical models to viscosity of graphene nanofluids as a function of temperature	OP2.18
19	Szadkowski, Boleslaw	Poland	Natural hybrid pigments as durable multifunctional coloring agents for polymer composites	OP2.19
20	Il'kovic, Sergej	Slovakia	Thermal and structural properties of PVDF@Zn-MOF nanocomposites	OP2.20
21	Miedzianowska, Justyna	Poland	Modified plant fillers of polymer composites	OP2.21

Oral Presentations 3. Calorimetry of Polymers, Bio(macro)molecules, Life science and Organic Functional Systems & Compounds				
No	Name	Country	Abstract title	Code
1	Bednarek, Jan	Czech Republic	Use of thermal analysis for the study of the adsorption of pharmaceuticals from water	OP3.01
2	Krakovsky, Ivan	Czech Republic	Phase transition in polymer hydrogels investigated by swelling, DSC, FTIR and NMR	OP3.02
3	Mathers, Alex	Czech Republic	The step-wise dissolution method: An efficient DSC-based protocol for API-polymer solubility determination	OP3.03
4	Venkataraman, Mohanapriya	Czech Republic	Sandwich fibrous paraffin wax encapsulations for selected applications	OP3.04
5	Di Lodovico, Eliana	Germany	Combining caloresspirometry and simultaneous thermal analysis (TGA-DSC) to assess energy fluxes of soil organic matter	OP3.05
6	Ajiyel, Hajar	France	Temperature dependence of the enthalpy of formation of oligomeric DNA duplexes: Implications for the thermodynamics of DNA	OP3.06
7	Maskow, Thomas	Germany	Biocalorimetry as a tool to analyse fungal lignocellulose utilization strategies	OP3.07
8	Yang, Shiyue	Germany	Accuracy of simultaneous caloresspirometric measurement and its importance for thermodynamic modelling in soil systems	OP3.08
9	Bafti, Arijeta	Croatia	Cellulose II highly porous materials as sound absorbers	OP3.09
10	Pucko, Ivan	Croatia	Synthesis and performance comparison of methacrylic pour point depressants with commercial additives	OP3.10
11	Chrysafi, Iouliana	Greece	Thermal reliability of n-icosane – loaded phase change fibers	OP3.11
12	Menyhard, Alfred	Hungary	Prediction of tensile modulus in semicrystalline polymers based on their melting characteristics recorded by calorimetry	OP3.12
13	Carichino, Silvia	Italy	Innovative biocomposites based on PLA and beer bagasse used in two different additive manufacturing techniques	OP3.13
14	Duce, Celia	Italy	Isothermal thermogravimetry to fingerprint the oxidative behaviour of lipids	OP3.14
15	Arii, Tadashi	Japan	Application of plastic materials by evolved gas analysis (TG-MS and TG-FTIR) equipped with optical microscope	OP3.15
16	Pehlivan, Seray	Turkey	Drying and thermal characterisation of limequat peel	OP3.16
17	Rukavina, Marko	Croatia	Influence of mechanochemical activation on the degree of amorphisation and pozzolanic activity of kaolin	OP3.17
18	Maslowski, Marcin	Poland	Natural rubber biocomposites filled with chemically modified agricultural waste	OP3.18
19	Antonescu, Ion	Romania	Challenges of developing of a pyrolysis plant for thermal treatment of plastic wastes	OP3.19
20	Piasecka, Iga	Poland	The influence of the ultrasound and pulsed electric field application in extraction process on thermal properties of berry seed oils	OP3.20
21	Grzelczyk, Joanna	Poland	Evaluation of biodegradability and thermal stability of edible and biodegradable disposable tableware of waste from olive oil production	OP3.21

Oral Presentations 4. Functional Materials, Ceramics, Metals & Alloys, Cements and Engineering Materials & Composites				
No	Name	Country	Abstract title	Code
1	Bilek, Vlastimil	Czech Republic	Comparison of thermogravimetry response of alkali-activated slag and Portland cement pastes after stopping their hydration using solvent exchange method	OP4.01
2	Bocian, Lubos	Czech Republic	Performance of hybrid steel and aramid fibre reinforcement in ultra-high performance concrete	OP4.02
3	Dambrauskas, Tadas	Lithuania	Thermal stability of catalyst based on semicrystalline calcium silicate hydrate with intercalated Co^{2+} , Cu^{2+} , and Cr^{3+} ions	OP4.03
4	Materak, Kalina	Poland	The impact of internal hydrophobization on a supplementary cementitious materials hydration	OP4.04
5	Matejka, Lukas	Czech Republic	Comparison of commercial nitrate-based accelerators and their pure constituents on hydration kinetics, composition, and hydration degree of zinc oxide blended Portland cement	OP4.05
6	Thomas, Paul	Australia	Low temperature DSC characterisation of the influence of admixtures on the hydration of cement	OP4.06
7	Siler, Pavel	Czech Republic	Effect of different hydration accelerators on the properties of zinc-doped cement	OP4.07
8	Pietrak, Karol	Poland	Comparison of performance of lime- and magnesia-based hempcrete in water vapour permeability tests	OP4.08
9	Prnova, Anna	Slovakia	The influence of ZrO_2 addition on thermal and mechanical properties of Y_2O_3 - Al_2O_3 - ZrO_2 ceramics materials	OP4.09
10	Korena, Lucie	Czech Republic	Thermoporometry of carbons with large mesopores: PSD evaluation difficulties	OP4.10
11	Morawiec, Mateusz	Poland	Design and dilatometric processing of nanobainitic structures in Al-alloyed 3Mn multiphase steel	OP4.11
12	Kozina, Franjo	Croatia	The interaction between Al-Li-Mg alloy and crucible coating during melting and processing	OP4.12
13	Voncina, Maja	Slovenia	Interaction kinetics between molten aluminium alloy Al99.7 and H11 tool steel with and without a protective coating	OP4.13
14	Zovko Brodarac, Zdenka	Croatia	Solidification of remelted $\text{AlSi}_9\text{Cu}_3(\text{Fe})$ alloy	OP4.14
15	Kozłowska, Aleksandra	Poland	Thermodynamic approach for designing processing routes of 4Mn quenching and partitioning steel	OP4.15
16	Moskal, Grzegorz	Poland	Splat-to-splat interface thermal conductivity determination for dual phase YSZ/zirconates thermal barrier coatings	OP4.16
17	Obradovic, Nina	Serbia	Carbothermal reaction of mechanically activated ZrC powders followed by DSC-TGA	OP4.17
18	Masilko, Jiri	Czech Republic	Study of an alternative binder based on the carbonation of ladle furnace slag	OP4.18
19	Perez-Maqueda, Luis A	Spain	Flash Joule Beating-Boro/Carbothermal reduction (FJH-BCTR): An approach for the instantaneous synthesis of transition metal diborides	OP4.19
20	Majerova, Melinda	Slovakia	The influence of the preparation method on the thermal, optical, and magnetic properties of Bi^{3+} doped CAS glasses	OP4.20
21	Malka, Dror	Israel	Thermo-Optic-Phase-Shifter using silicon rib technology	OP4.21

Poster Session 1.				
No	Name	Country	Abstract title	Code
1	Kozłowska, Aleksandra	Poland	Dilatometric study on phase transformations in non-deformed and plastically deformed medium-Mn multiphase steels with increased Al and Si additions	PS1.01
2	Krol, Mariusz	Poland	Effect of hot deformation on microstructure and precipitation kinetics in M789 cobalt-free maraging steel produced by SLM	PS1.02
3	Ksepko, Ewelina	Poland	Fe spinel-based materials and their CLOU properties	PS1.03
4	Kulawik, Damian	Poland	New storage materials based on carbon nanotubes and metal alloys	PS1.04
5	Kulawik, Damian	Poland	Structural and enhanced hydrogen storage properties of Mg-Co-Ga system	PS1.05
6	Lapka, Piotr	Poland	Preliminary comparative numerical analysis of three-layer hemp concrete wall with a layer enhanced with microencapsulated PCM	PS1.06
7	Masłowski, Marcin	Poland	Field horsetail (<i>Equisetum arvense</i>) - a functional additive to elastomer biocomposites	PS1.07
8	Miedzianowska, Justyna	Poland	Biochar as an alternative filler for elastomer composites	PS1.08
9	Mikusiewicz, Marta	Poland	Synthesis and thermal properties of $(RE^{1}_{0.5}RE^{2}_{0.5})_2Zr_2O_7$ zirconates	PS1.09
10	Mikusiewicz, Marta	Poland	Thermal diffusivity/conductivity of Pr, Eu and Ho zirconates	PS1.10
11	Morawiec, Mateusz	Poland	Effect of the intercritical annealing temperature on the austenite formation in 5Mn alloy: Thermodynamic analysis	PS1.11
12	Moskał, Grzegorz	Poland	Rare earth elements zirconates` thermal and mechanical properties determination based on DFT simulations data	PS1.12
13	Skowronek, Adam	Poland	On thermodynamic modelling the effect of martensite on phase transformation kinetics in medium-Mn bainitic steel	PS1.13
14	Snopinski, Przemysław	Poland	Thermal stability and irradiation resistance of LPBF AlSi10Mg alloy post-processed via KoBo extrusion method	PS1.14
15	Snopinski, Przemysław	Poland	Hot deformation behaviour of additively manufactured and conventional maraging steels	PS1.15
16	Suchorowicz, Katarzyna	Poland	Investigation of biomass waste carbonization process supported by TGA for solar-thermal energy conversion applications	PS1.16
17	Suchorowicz, Katarzyna	Poland	Thermal analysis of the carbonized citrus fruit biomass infiltrated with sugar alcohols-based PCMs	PS1.17
18	Szadkowski, Bolesław	Poland	The study on the new biopolymer/natural dye hybrid pH indicators: preparation, characterization, and application	PS1.18
19	Szatkowski, Piotr	Poland	Thermal properties of polymeric phase change materials modified with selected nanoadditives	PS1.19
20	Szatkowski, Piotr	Poland	Thermal properties of thermochromic phase change materials modified with boron nitride	PS1.20
21	Tomaszewska, Agnieszka	Poland	Heat treatment thermal parameters` determination of Co-(Ni)-Al-Mo-Nb-X superalloys	PS1.21
22	Tomaszewska, Agnieszka	Poland	Thermogravimetric analysis of new tungsten-free Co-based superalloys with rare earth elements additions	PS1.22
23	Xavier Ramos, Carlos Augusto	Portugal	Characterization of nanofluids for biomedical applications: Study of density and viscosity properties	PS1.23
24	Antonescu, Ion	Romania	Thermal analysis of a pump used in an innovative installation for cementing and special operations at the oil well intended to improve the efficiency of the extraction of conventional energy resources	PS1.24
25	Brebu, Mihai	Romania	Thermogravimetric characterisation of various agriculture biomass residues prior to valorisation by thermal methods	PS1.25
26	Bustiucel, Sergiu Ionut	Romania	Biocomposites based on hydroxyapatite loaded with amoxicillin for bone tissue repair and regeneration	PS1.26
27	Bustiucel, Sergiu Ionut	Romania	Antibiotic-loaded bioceramics for bone tissue healing	PS1.27
28	Carstea, Didina-Ramona-Casandra	Romania	Analytical prediction of the curing overheating and overshoot	PS1.28
29	Chereches, Elena Ionela	Romania	An overview of viscosity of several nanoparticles enhanced liquids	PS1.29
30	Criveanu, Anca	Romania	Morpho-structural properties of thermally treated iron oxide nanoparticles synthesized by laser pyrolysis using ethanol as sensitizer	PS1.30
31	Ghita, Gabriel	Romania	Differential thermal gravimetric analysis for plants growth soil with different salt concentration	PS1.31
32	Gradinaru, Madalina	Romania	Thermal and FTIR characterization of medicated jelly with betulin and betulinic acid	PS1.32
33	Gradinaru, Madalina	Romania	Absorption of phosphorus from water, use of hydrogels based on biopolymers	PS1.33
34	Petuhov, Oleg	Romania	Evaluating the thermal regeneration processes of spent activated carbons used in winemaking	PS1.34
35	Petuhov, Oleg	Romania	Preparation and characterization of carbonaceous adsorbents from solid industrial waste	PS1.35
36	Sfirloaga, Paula	Romania	Optimizing the thermal treatment in order to obtain a single hexagonal phase of $YMnO_3$	PS1.36
37	Sfirloaga, Paula	Romania	Properties of manganese yttrium oxide: Influences of dopants on the thermal, structural and optical properties	PS1.37

38	Teodorescu, George-Mihail	Romania	Thermal and mechanical properties of ash powder/glass fiber reinforced polyamide hybrid composites	PS1.38
39	Thalmaier, Gyorgy	Romania	A cold/chemical sintering process for manufacturing Zn foams from spherical powders	PS1.39
40	Usurelu, Catalina-Diana	Romania	Throughout thermal characterization of ester-grafted nanocellulose	PS1.40
41	Oprica, Gabriela-Madalina	Romania	Thermal stability of aliphatic polyesters recovered from hot embossing substrates	PS1.41
42	Vlase, Gabriela	Romania	Analysis through hyphenated techniques of Pottery samples from the settlements and burial ground at Pecica – East site (Pecica, Arad County, Romania)	PS1.42
43	Vlase, Gabriela	Romania	Synthesis and characterisation of some metals doped hydroxyapatite with different applications	PS1.43
44	Vlase, Titus	Romania	Analysis of late Neolithic pottery and clay samples from the Ronaț-Triaj site (Timișoara, Timis County, Romania) using hyphenated techniques	PS1.44
45	Vlase, Titus	Romania	Analysis by multiple techniques of some fragments of Dacian ceramics, discovered near the Dacian fortress of Alun-Piatra Roșie (Hunedoara county)	PS1.45
46	Balasko, Tilen	Slovenia	Influence of La additions on solidification and microstructure in the as-cast state of the alloy EN AW-7175	PS1.46
47	Voncina, Maja	Slovenia	The influence of La and Ce additions on the solidification of alloys from the Al-Fe system	PS1.47
48	Svec, Jiri	Czech Republic	Synthesis of calcium aluminate hydrates, their characterization and dehydration	PS1.48
49	Rotaru, Andrei	Romania	Thermal analysis of two new coordination polymers based on 4,4'-bis(1H-imidazol-1-ylmethyl)biphenyl	PS1.49
50	Rotaru, Petre	Romania	Kinetics studies on oxygen D2 diffusion in Ag ₂ O doped YBCO-123 material	PS1.50

Poster Session 2.				
No	Name	Country	Abstract title	Code
1	Thomas, Paul	Australia	Influence of cooling rate and crystallisation temperature on the phase development in deuterated tripalmitin using DSC	PS2.01
2	Morvezen, Gwenn	France	Coupled dielectric spectroscopy and DSC for ferroelectric materials	PS2.02
3	Di Lodovico, Eliana	Germany	Novel isothermal macrocalorespirometer for measuring soil microbial activity	PS2.03
4	Moukhina, Elena	Germany	Selection of kinetic method for analysis of decomposition, curing and crystallization of polymers by NETZSCH Kinetics Neo Software	PS2.04
5	Chrissafis, Konstantinos	Greece	Thermal Inspection of a 'Green' Epoxy Adhesive	PS2.05
6	Chrissafis, Konstantinos	Greece	Evaluating the thermal performance of selenides synthesized by ball milling and pack cementation for thermoelectric applications	PS2.06
7	Chrysafi, Iouliana	Greece	In-situ monitoring the curing evolution of pMDI with soy-bean protein using a DRIFT environmental chamber	PS2.07
8	Lorinczy, Denes	Hungary	Investigating the impact of PACAP on thermal stability of G-actin by differential scanning calorimetry	PS2.08
9	Lorinczy, Denes	Hungary	Ca ²⁺ dependent thermal sensitivity of bacterial MreB assemblies	PS2.09
10	D'Agostino, Giulia	Italy	The influence of temperature and sulfation on Funori gel formation	PS2.10
11	Sciascia, Luciana	Italy	Clay-based drug delivery: Advancing controlled release with montmorillonite and kaolin	PS2.11
12	Vecchio Cipriotti, Stefano	Italy	Thermodynamic study of 1,4-bis(3-methylimidazolium-1-yl)butane bis(triflyomethylsulfonyl)imide ([C4mim][NTf ₂]) from 6 to 350 K	PS2.12
13	Vecchio Cipriotti, Stefano	Italy	Blends of biodegradable polymers: morphology, mechanical and thermal properties	PS2.13
14	Arii, Tadashi	Japan	New DSCvesta2 with cutting-edge χ sensor [®] and self-diagnosis function	PS2.14
15	Higashi, Eiko	Japan	Preparation of α -alumina by combustion synthesis and observation of the thermal behavior of its formation process	PS2.15
16	Hotta, Mito	Japan	Individual effects of water vapor and carbon dioxide on the thermal decomposition of calcium carbonate	PS2.16
17	Hotta, Mito	Japan	Effect of self-generated carbon dioxide on the thermal decomposition of zinc carbonate	PS2.17
18	Ito, Masayuki	Japan	Effect of induction period on activation energy of fluorine containing elastomer obtained by ISO 11358-2	PS2.18
19	Koga, Nobuyoshi	Japan	Physico-geometrical mechanisms and kinetics of the thermal dehydration of sugar hydrates accompanied by liquefaction	PS2.19
20	Suetsugu, Mari	Japan	Dismantlability of epoxy adhesive containing inorganic/organic composite fine particles	PS2.20
21	Baltakys, Kestutis	Lithuania	The adsorption kinetic parameters of phosphorus by calcium silicate hydrated based adsorbent	PS2.21
22	Baltakys, Kestutis	Lithuania	Microwave-assisted synthesis of monetite in the temperature range of 25–200 °C	PS2.22
23	Dambrauskas, Tadas	Lithuania	Influence of Fe ³⁺ ions on the formation and thermal stability of gyrolite	PS2.23
24	Eisinas, Anatoijus	Lithuania	Cu ²⁺ /SO ₄ ²⁻ ions adsorption by synthetic mayenite with intercalated SiO ₂	PS2.24

25	Eisinas, Anatoijus	Lithuania	Synthesis and properties of cement additive made from biomass ash	PS2.25
26	Siauciunas, Raimundas	Lithuania	The dependence of the amount of Al ³⁺ ions inserted into the fluids for biomedical applications: Study of density and viscosity properties	PS2.26
27	Siauciunas, Raimundas	Lithuania	The supplementary cementitious material from used smectite clay and limestone (LC ³)	PS2.27
28	Ciesielski, Wojciech	Poland	Functionalized carbon nanotubes as new potential green electrodes	PS2.28
29	Ciesielski, Wojciech	Poland	New materials for hydrogen storage based on carbon nanotubes	PS2.29
30	Dudek, Magdalena	Poland	Sr-doped BCY–LSCF composite cathodes: preparation, properties and electrochemical tests in ceramic proton-conducting fuel cells	PS2.30
31	Dudek, Piotr	Poland	Thermal and mechanical properties of polymer composite powders for Additive Manufacturing	PS2.31
32	Gocki, Michal	Poland	Thermal analysis of debinding and sintering process of FDM manufacture H13 steel	PS2.32
33	Gocki, Michal	Poland	Dilatometric study of phase transformation in additively manufactured H13 hot work tool steel	PS2.33
34	Grzelczyk, Joanna	Poland	Effect of inhibiting butyrylcholinesterase activity by coffee extracts and fractions thereof digested in in vitro gastrointestinal tract	PS2.34
35	Hebda, Marek	Poland	Evaluation of natural materials for sorbent applications	PS2.35
36	Kaniewski, Maciej	Poland	Polyhalite as a possible potassium source in ammonium nitrate fertilizers – thermal stability assessment	PS2.36
37	Kierat, Milena	Poland	Influence of titanium on thermal properties of Co-Ni-Al-W alloys	PS2.37
38	Kierat, Milena	Poland	Thermal diffusivity and conductivity of new Co-based superalloy	PS2.38
39	Petkova, Vilma	Bulgaria	Impact of pozzolanic additive on the microstructure and thermal chemistry of cement mortars	PS2.39
40	Petkova, Vilma	Bulgaria	High energy milled and high temperature activation of CaO-SiO ₂ -P ₂ O ₅ natural system	PS2.40
41	Yang, Hee-Chul	Republic of Korea	Kinetic analysis for thermal decomposition reactions of NH ₄ ReO ₄ for the recovery of high-purity Rh powders from the scrubber residue of molybdenum oxidizing roasting process	PS2.41
42	Yang, Hee-Chul	Republic of Korea	Structural changes and gas evolution characteristics of strong acidic cation-exchange resins during the course of pyrolysis and carbonization to 1273 K	PS2.42
43	Banjongprasert, Chaiyasit	Thailand	Corrosion behaviour of arc sprayed Zn15Al coatings: A comparative study of electrochemical, accelerated corrosion tests, and coastal railway exposure	PS2.43
44	Banjongprasert, Chaiyasit	Thailand	Corrosion behaviour and bonding strength of thermally sprayed nickel alloy coatings for use as bond and top coatings	PS2.44
45	Chaipanich, Arnon	Thailand	Phase characterizations of Portland cement-high calcium fly ash-calcined clay pastes by thermogravimetric analysis	PS2.45
46	Chaipanich, Arnon	Thailand	Determination of high calcium fly ash condition after long term storage by thermal analysis	PS2.46
47	Shuecamlue, Sirinapa	Thailand	Microstructure, wear and corrosion behaviour of NiCrBSi/WC-Co thermally sprayed coating before and after flame remelting	PS2.47
48	Uraz, Emre	Turkey	Determination of the kinetic parameters for the thermal decomposition of Al(OH) ₃ and Mg(OH) ₂ by Invariant-Kinetic Parameters method from thermogravimetric data	PS2.48
49	Moanta, Anca	Romania	Characterisation and thermal study of new sulfonic azoesters	PS2.49
50	Sestak, Jaroslav	Czech Republic	Thermoanalytical books on thermophysical research of materials	PS2.50

Poster Session 3.				
No	Name	Country	Abstract title	Code
1	Bafti, Arijeta	Croatia	Preparing an efficient photocatalyst from SnO ₂ modified cellulose II highly porous template	PS3.01
2	Barbir, Damir	Croatia	The influence of heavy metals on the early hydration processes of Portland cement	PS3.02
3	Faraguna, Fabio	Croatia	Influence of size and concentration of graphene nanoparticles on thermal and electrical conductivity of mineral oil based nanofluids	PS3.03
4	Gotovusa, Mia	Croatia	Low-temperature properties of fatty acid isobutyl, pentyl, and hexyl esters, and their blends with mineral diesel	PS3.04
5	Jakic, Mice	Croatia	Investigation of the effect of MgO on the thermal profile of PEO prepared via hot-melt extrusion technique	PS3.05
6	Jakopec, Silvio	Croatia	Dielectric properties of porous silico-aluminophosphate geopolymeric ceramic-like material	PS3.06
7	Kresic, Irena	Croatia	Influence of LiBOB on the structure, thermal properties and ionic conductivity of poly(ethylene oxide)	PS3.07
8	Mandic, Vilko	Croatia	Pre and post processing of the substrates and surfaces for interface stability engineering in perovskite solar cells	PS3.08
9	Perinovic Jozic, Sanja	Croatia	Structural and thermal properties of PEO/NaAlg blend complexed with NaPF ₆	PS3.09
10	Radovanovic-Peric, Floren	Croatia	Sol-gel derived calcium phosphates: synthesis and properties	PS3.10

11	Rukavina, Marko	Croatia	Application of intensive grinding in obtaining metakaolin and zeolite	PS3.11
12	Tomas, Renato	Croatia	Thermophysical properties of 1-butyl-2-methylpyridinium tetrafluoroborate ionic liquid in water and methanol at different temperatures	PS3.12
13	Bajtosova, Lucia	Czech Republic	Recrystallization of thin Fe-based nanocrystalline films	PS3.13
14	Bartak, Jaroslav	Czech Republic	Surface tension in chalcogenide glass-formers	PS3.14
15	Broz, Pavel	Czech Republic	Thermally-activated catalysis on CuNi nanoparticles	PS3.15
16	Cieslar, Miroslav	Czech Republic	Homogenization of rapidly solidified Al-Li-based ribbons studied by electrical resistivity and in-situ electron microscopy	PS3.16
17	Horak, Tomas	Czech Republic	Characterization of CaP coatings prepared on AZ31 magnesium alloy in the presence of various organic complex substances under hydrothermal conditions	PS3.17
18	Horakova, Lenka	Czech Republic	The importance of ammonium and potassium precursor cations for the preparation of CaP coatings in terms of impact on microstructure, thermal and corrosion properties	PS3.18
19	Kamenikova, Eliska	Czech Republic	Effects of PET microplastics on the soil properties: A thermogravimetric approach	PS3.19
20	Krouska, Jitka	Czech Republic	Thermal activity of fresh soil	PS3.20
21	Kubatova, Dana	Czech Republic	Hydration and thermal properties of hybrid alkaline cements	PS3.21
22	Liskova, Katerina	Czech Republic	FT-IR supported thermogravimetric analysis of organic matter decomposition in soil	PS3.22
23	Liskova, Katerina	Czech Republic	Thermogravimetric analysis as a supportive method in a study of plasma activated water effect on organic matter decomposition rate in soil	PS3.23
24	Miklasova, Marta	Czech Republic	Influence of titanium dioxide nanoparticles on soil properties	PS3.24
25	Novak, Jan	Czech Republic	Non-isothermal crystallization kinetics of biocomposites based on PLLA/PHBV and spent coffee grounds	PS3.25
26	Patra, Sneha	Czech Republic	Insight into soil biochemistry by combining Glomalin-related soil protein (GRSP) and thermogravimetry/mass spectrometry	PS3.26
27	Rezacova, Veronika	Czech Republic	Differential Scanning Calorimetry as a useful tool in the study of Phase Change Materials	PS3.27
28	Romanekova, Ivana	Czech Republic	Analysis of microplastics in sewage sludge	PS3.28
29	Somanova, Pavlina	Czech Republic	Properties and microstructure of laser treated WC/CoCr thermally-sprayed coating on AZ91 magnesium alloy	PS3.29
30	Stanek, Theodor	Czech Republic	Thermal analysis of raw meals doped with Li, Cu and S for the burning Portland cement clinker	PS3.30
31	Sulekova, Nikola	Czech Republic	Influence of salts of simple carboxylic acids on hydration and basic properties of RPC	PS3.31
32	Vaculik, David	Czech Republic	Viscosity and crystal growth in amorphous samples of Ge ₂₅ Se ₇₅	PS3.32
33	Stankovic, Bransilav	Serbia	Dielectric and thermal properties of composites based on low-density polyethylene and NaA zeolite	PS3.33
34	Strbac, Goran	Serbia	Influence of silver introduction on glass transition and crystallization processes in As ₄₀ Se ₃₀ Te ₃₀ glass	PS3.34
35	Vasic, Milica	Serbia	Thermal stability and microstructural transformations of Ni-P alloy powders	PS3.35
36	Findorak, Robert	Slovakia	The reactivity study of fuels for the metallurgical industry using thermogravimetry	PS3.36
37	Findorakova, Lenka	Slovakia	Study of global warming key parameters in Slovak urban soils via thermal analysis	PS3.37
38	Majerova, Melinda	Slovakia	Impact of particle size on thermal properties of Y ₂ O ₃ -Al ₂ O ₃ glasses	PS3.38
39	Matko, Igor	Slovakia	Porous carbon fibers prepared from cellulose as carriers of particles of active substances	PS3.39
40	Ondruska, Jan	Slovakia	Thermodynamometry of illite	PS3.40
41	Prnova, Anna	Slovakia	Thermal properties and structure of Y ₂ O ₃ -Al ₂ O ₃ -ZrO ₂ glasses as precursors for preparation of ceramics materials with eutectic microstructure	PS3.41
42	Trnik, Anton	Slovakia	The high-temperature crystallizations in a system of illitic clay and wollastonite mixtures	PS3.42
43	Barros, Nieves	Spain	Sensitivity of thermal analysis and calorimetry to assess the impact of forest management on soils	PS3.43
44	Farjas, Jordi	Spain	Kinetic analysis of a recyclable thermoplastic for structural applications	PS3.44
45	Garcia-Garzon, Vanesa	Spain	Chemical, mechanical and thermal characterization of gypsum samples from quarries in the Tabernas desert (Almería, Spain)	PS3.45
46	Garcia-Garzon, Vanesa	Spain	Characterization of crushed brick waste from the Alhabia Ceramic Plant (Almería, Spain)	PS3.46
47	Perez-Maqueda, Luis A	Spain	High temperature thermochemical energy storage in carbonates: A low-cost high-performance approach	PS3.47
48	Sunol, Joan-Josep	Spain	Microstructural, thermal, and magnetic properties of (Ni ₅₀ Mn ₄₀ In ₁₀) _{1-x} Co _x melt-spun ribbons	PS3.48
49	Nistreanu, Andrei	Republic of Moldova	Ns Light Pulses Transmission through Microcavity in Polaritonic Range	PS3.49
50	Nistreanu, Andrei	Republic of Moldova	Nonlinear Dynamics of an Exciton-Polariton Oscillator in Organic Dye-Filled Microcavity	PS3.50
51	Kinnertova, Eva	Czech Republic	Soft-templated gels - effect of carbonization heating rate on their mesoporosity	S-PS3.51

