

Wednesday, 14 th of October		Thursday, 15 th of October		Friday, 16 th of October		Saturday, 17 th of October				
		9 ⁰⁰ -9 ⁵⁰	Monica Focsan, PL2		9 ⁰⁰ -9 ⁵⁰	Luis A. Perez-Maqueda, PL4		9 ⁰⁰ -9 ⁵⁰	Hyun Gyu Park, PL5	
		9 ⁵⁰ -10 ³⁰	IL1	IL2	9 ⁵⁰ -10 ³⁰	IL5	IL6	9 ⁵⁰ -10 ³⁰	IL9	IL10
		10 ³⁰ -12 ⁰⁰	Poster session 1 Coffee break		10 ³⁰ -12 ⁰⁰	Poster session 2 Coffee break		10 ³⁰ -12 ⁰⁰	Poster session 3 Coffee break	
		12 ⁰⁰ -12 ³⁰	KL1	KL2	12 ⁰⁰ -12 ³⁰	KL5	KL6	12 ⁰⁰ -12 ³⁰	KL9	KL10
		12 ³⁰ -12 ⁵⁰	OP1.01	OP2.01	12 ³⁰ -12 ⁵⁰	OP1.07	OP2.07	12 ³⁰ -12 ⁵⁰	OP1.14	OP2.14
		12 ⁵⁰ -13 ¹⁰	OP1.02	OP2.02	12 ⁵⁰ -13 ¹⁰	OP1.08	OP2.08	12 ⁵⁰ -13 ¹⁰	OP1.15	OP2.15
		13 ¹⁰ -13 ³⁰	OP1.03	OP2.03	13 ¹⁰ -13 ³⁰	OP1.09	OP2.09	13 ¹⁰ -13 ³⁰	OP1.16	OP2.16
		13 ³⁰ -14 ⁴⁰	Lunch		13 ³⁰ -14 ⁴⁰	Lunch		13 ³⁰ -13 ⁵⁰	OP1.17	OP2.17
14 ⁰⁰ -18 ³⁰	Registration of participants at CEEC-PCMS3 & CATCAR35	14 ⁴⁰ -15 ⁰⁰	Linseis, TL2		14 ⁴⁰ -15 ⁰⁰	Elsevier, TL3		13 ⁵⁰ -14 ⁰⁰	Closing ceremony	
		15 ⁰⁰ -15 ⁵⁰	Peter W. Atkins, PL3		15 ⁰⁰ -15 ⁴⁰	IL7	IL8	15 ³⁰	Excursion	
		15 ⁵⁰ -16 ³⁰	IL3	IL4	15 ⁴⁰ -16 ¹⁰	KL7	KL8			
		16 ³⁰ -17 ⁰⁰	KL3	KL4	16 ¹⁰ -16 ³⁰	OP1.10	OP2.10			
		17 ⁰⁰ -17 ²⁰	OP1.04	OP2.04	16 ³⁰ -16 ⁵⁰	OP1.11	OP2.11			
		17 ²⁰ -17 ⁴⁰	OP1.05	OP2.05	16 ⁵⁰ -17 ¹⁰	OP1.12	OP2.12			
		17 ⁴⁰ -18 ⁰⁰	OP1.06	OP2.06	17 ¹⁰ -17 ³⁰	OP1.13	OP2.13			
		18 ³⁰ -18 ⁵⁰	Opening Ceremony	18 ⁰⁰ -19 ⁰⁰	ICTAC Kinetics Committee Workshop	17 ³⁰ -18 ³⁰	nanoMOP project Round Table			
18 ⁵⁰ -19 ¹⁰	Akanaba, TL1	18 ³⁰ -19 ⁰⁰	CroCerS General Assembly							
19 ¹⁰ -20 ⁰⁰	Dan Shechtman, PL1	19 ⁰⁰ -19 ³⁰	Evening break							
20 ⁰⁰ -22 ⁰⁰	Welcome Cocktail	19 ³⁰ -23 ³⁰	Conference Dinner							
1. Room A at UB (University of Bucharest), Rectorate, Str. Panduri 90-92, 050663, Bucharest				Program of CEEC-PCMS3 & CATCAR35 14-17 October 2026 Bucharest, Romania						
2. Room B at UB (University of Bucharest), Rectorate, Str. Panduri 90-92, 050663, Bucharest										
3. Poster, Coffee break & Lunch area at UB (University of Bucharest), Rectorate										
4. Hanu' lui Manuc, Str. Franceză 62-64, 030106, Bucharest										
5. Starting place: Hanu' lui Manuc, Str. Franceză 62-64, 030106, Bucharest										

	Plenary, Invited & Keynote Lectures			
No	Name	Country	Abstract title	Code
Plenary Lectures				
1	Shechtman, Dan	Israel	Quasi-Periodic Materials – A Paradigm Shift in Crystallography	PL1
2	Focsan, Monica	Romania	Engineering Plasmonic Nanomaterials: From Nanoscale Light–Matter Interactions to Thermoplasmonic Applications	PL2
3	Atkins, Peter W.	United Kingdom	The evolution of physical chemistry	PL3
4	Perez-Maqueda, Luis A.	Spain	Thermal characterization of energy storage materials for renewable energy applications	PL4
5	Park, Hyun Gyu	Republic of Korea	Innovations in Molecular Diagnostics for Infectious Diseases	PL5
Invited Lectures				
1	Armaković, Sanja	Serbia	Polymer-supported photocatalytic materials for water treatment: from experiments to atomistic modeling and machine learning	IL1
2	Costa, Josep	Spain	Dynamic Bonds, Unexpected Gains: Exploiting Stress Relaxation in Vitrimers Composites	IL2
3	Kirk, Caroline	United Kingdom	Turning Waste into Solutions: Sustainable Mineral-Based Remediation of Toxic Elements in Mine Tailings	IL3
4	Carja, Gabriela	Romania	Structural Memory in Layered Double Hydroxides: A New Materials Design Principle for Engineering Adaptive Heterostructures	IL4
5	Vukojević Medvidović, Nediljka	Croatia	Mechanistic Insights into Magnet- and Zeolite-Assisted Electrocoagulation of Synthetic Laundry Greywater Using a Taguchi Experimental Design	IL5
6	Dambrauskas, Tadas	Lithuania	Influence of Transition Metal Ions on the Formation, Thermal Stability, and Properties of Calcium Silicate Hydrates	IL6
7	Meroni, Daniela	Italy	Designing Reversible Hybrid Adsorbents for Selective VOC Recovery under Mild Conditions	IL7
8	Menyhard, Alfred	Hungary	“Hidden Information” in the Calorimetric Melting and Crystallization Curves of Polymers	IL8
9	Scarisoreanu, Nicu-Doinel	Romania	Tuning functionalities of complex oxide materials by laser processing	IL9
10	Kucerik, Jiri	Czech Republic	Biodegradable plastics in soil: more than just degradation	IL10
Keynote Lectures				
1	Calvino, Martina Marina	Italy	Geopolymers Based on Halloysite Nanotubes as a Versatile Platform for Multifunctional and Sustainable Materials	KL1
2	Malka, Dror	Israel	Thermal Optimization of TiN Thermo-Optic Phase Shifters on Si ₃ N ₄ Waveguides	KL2
3	Suchea, Mirela Petruța	Romania	3D hybrid rare earth-doped zinc oxide-graphene nanocomposites materials fabrication and properties	KL3
4	Farjas, Jordi	Spain	Processability of high-performance semi-crystalline thermoplastics	KL4
5	Pavić, Luka	Croatia	Tuning the Glass, Tuning the Transport: Alkali Vanadate-Phosphate Glasses	KL5
6	Vecchio Cipriotti, Stefano	Italy	Synthesis and Thermal Behaviour Study of Cathode Precursors for Alkali-Metal Batteries	KL6
7	Panžić, Ivana	Croatia	Influence of Processing Parameters on the Structural and Morphological Properties of Sol-Gel Derived ZnGa ₂ O ₄ Thin Films	KL7
8	Pulidori, Elena	Italy	Pectin Ionotropic Gelation: Exploring the Role of Divalent Cations from Molecular Interactions to Macroscopic Properties	KL8
9	Constantinescu, Catalin Daniel	France/Romania	Laser Processing of Functional Materials: From Nanoparticle Synthesis to Surface Engineering and Additive Microfabrication	KL9
10	Radovanović-Perić, Floren	Croatia	Squaraines for solar cells: Why did they never go mainstream?	KL10

Oral Presentations 1. Materials Science & 3 rd ACDC Symposium				
No	Name	Country	Abstract title	Code
1	Tosto, Claudio	Italy	Reusable LCD-Printed Collapsible Mandrels for Manufacturing Complex Hollow Composite Structures	OP1.01
2	Palou, Martin	Slovakia	Challenges in Developing Heavyweight Self-Compacting Concrete from Low-Carbon Cement	OP1.02
3	Vadvilaviciene, Zaneta	Lithuania	From clinker reduction to CO ₂ mineralization: post-hydration CO ₂ curing of opoka containing cement mortars	OP1.03
4	Turilinaite, Lidiija	Lithuania	Hydrothermal Synthesis and Properties of Fluorapatite	OP1.04
5	Steponaityte, Liveta	Lithuania	Comparison of the formation process of 1.13 nm tobermorite and xonotlite in mixtures with SiO ₂ ·nH ₂ O and microsilica	OP1.05
6	Sidaraite, Ramune	Lithuania	Wollastonite synthesis from secondary raw materials and its hardening in the CO ₂ atmosphere	OP1.06
7	Savickaite, Brigita	Lithuania	Phase formation in a “Bypass-SiO ₂ -H ₂ O” system under hydrothermal conditions	OP1.07
8	Bafti Dunatov, Arijeta	Croatia	Cellulose aerogels as template for SnO ₂ photocatalyst preparation	OP1.08
9	Mandić, Vilko	Croatia	Suitability of crystalline molybdenum oxide films prepared via aerosol writing for fast resistive gas sensors	OP1.09
10	Pulham, Colin A.	United Kingdom	Crystal engineering for safer skies: enhancement of the properties of ammonium dinitramide – a green rocket propellant	OP1.10
11	Bednarek, Jan	Czech Republic	The use of spongillite as a sandstone mining waste for wastewater treatment	OP1.11
12	Blanco, Ignazio	Italy	A Circular Approach for PA12 Recycling in the Framework of Additive Manufacturing	OP1.12
13	Aliukonyte, Neda	Lithuania	Phase Utilization of bypass dust in CO ₂ hardening mortar	OP1.13
14	Majcher, Dominika	Poland	Development of GelMA/HAMA hydrogels reinforced with MXene Nanosheets for Chondral Tissue Engineering	OP1.14
15	Fahmi, Amir	Germany	Functional unidirectional hybrid nanomaterials	OP1.15
16	Marcu, Ioan Cezar	Romania	Influence of acid-base properties on the hydrodeoxygenation performance of CuMg _x Al _y O mixed oxide catalysts	OP1.16
17	Covaliu Mierla, Cristina	Romania	Advanced Nanomaterial-Based Adsorbents for Heavy Metal Removal from Wastewater: Innovative Strategies and Sustainable Perspectives	OP1.17

Oral Presentations 2. Physical Chemistry & CATCAR35 Symposium				
No	Name	Country	Abstract title	Code
1	Cerar, Janez	Slovenia	Rethinking Debye–Hückel theory: A thermodynamically consistent derivation of ionic activity coefficients	OP2.01
2	Rotaru, Andrei	Romania	Physical chemistry and materials science applied to better describe and understand political and social sciences	OP2.02
3	Lisuzzo, Lorenzo	Italy	Engineering Multifunctional Pickering Systems for Pollutant Removal and Photocatalytic Applications	OP2.03
4	Cavallaro, Giuseppe	Italy	Halloysite Nanotubes: Natural, Biocompatible, and Sustainable Nanoclays for Cultural Heritage Conservation and Restoration	OP2.04
5	Covaliu Mierla, Cristina	Romania	From Nanomaterials to Advanced Flotation: Innovative Solutions for Efficient and Sustainable Wastewater Treatment	OP2.05
6	Matijunas, Mindaugas	Lithuania	Comprehensive FT-IR analysis of CO ₃ ²⁻ within carbonated hydroxyapatite across varying calcium to phosphate ratios	OP2.06
7	Gonzalez Alvear, Maria	Spain	Mass loss rate estimation methodology for fire tests	OP2.07
8	Chiriac, Rodica	France	New experimental thermodynamic data for hexagonal and orthorhombic NdBO ₃ polymorphs from Calvet calorimetry	OP2.08
9	Cutcovschi, Denis	Romania	Morphological evolution, thermal behaviour and structural reconstruction of medium- and high-entropy layered double hydroxides and their derived oxides	OP2.09
10	Nistor, Laura	Romania	Influence of the central metal on the thermal stability and degradation kinetics of metalloporphyrins	OP2.10
11	Tiliakos, Athanasios	Romania	3D-Printed Thermoluminescent Radiation Detectors Using Composite Polypropylene-CaSO ₄ -Dysprosium Filaments	OP2.11
12	Mitran, Raul Augustin	Romania	Metal-doped mesoporous silica as matrices for high temperature phase change materials	OP2.12
13	Liaw, Horng-Jang	Taiwan	Thermal degradation of Therminol 66 and its implications for safety of high-temperature thermal energy systems	OP2.13
14	Gaweda, Ewa	Poland	An assessment of the applicability of biopolymer-based hydrogels containing sheep wool as a fertiliser using FTIR and DSC methods	OP2.14
15	Balutescu, Georgiana	Romania	Optimizing surface roughness in chemo-mechanical magnetorheological finishing (CMMRM) using sustainable and eco-friendly fluids	OP2.15
16	Wu, Yi	China	Effects of Boron Form and Oxidizer Type on the Ignition and Combustion Characteristics of Al-Based Thermites	OP2.16
17	Palou, Martin	Slovakia	Thermal processing as a pathway to generate ash from coal mining waste for geopolymer preparation	OP2.17

	Poster Session 1.			
No	Name	Country	Abstract title	Code
1	Kubatova, Dana	Czech Republic	Effect of KHCO_3 on hydration kinetics of K_2CO_3 -activated slag-rich hybrid cementitious binders	PS1.01
2	Blanco, Ignazio	Italy	Influence of Olive Leaf Extract Content on the Thermal Behaviour, Structure and Release of Zirconia-Based Hybrids	PS1.02
3	Dambrauskas, Tadas	Lithuania	Influence of Binary Supplementary Cementitious Material from Epsom Salt Production Waste and Opoka on the Compressive Strength of Portland Cement	PS1.03
4	Eisinas, Anatolijus	Lithuania	Adsorption capacity of $\text{Cu}^{2+}/\text{SO}_4^{2-}$ ions by synthetic mayenite substituted with Si^{4+} ions	PS1.04
5	Piech, Radoslaw	Poland	Lignin/chitosan-based flame-retardant systems dedicated for polyhydroxyalkanoates	PS1.05
6	Kunovsky, Ondrej	Czech Republic	Synthesis and structural characterization of heavy metal doped calcium silicate hydrate gels	PS1.06
7	Siler, Pavel	Czech Republic	Influence of formic acid and its salts on the mitigation of the negative effect of zinc in Portland cement	PS1.07
8	Abdullayev, Raul	Lithuania	Synthesis of Calcium Silicate Hydrates with CaO/SiO_2 Ratio of 1.5 from Secondary Raw Materials	PS1.08
9	Bobinaite, Egle	Lithuania	Influence of Mn(II) on the formation and porosity of gyrolite	PS1.09
10	Matijunas, Mindaugas	Lithuania	Influence of Nickel Ions on the Formation of Gyrolite under Hydrothermal Conditions	PS1.10
11	Tiskute, Monika	Lithuania	Microwave-Assisted Synthesis of a Ca–Mg Phosphate System with a $(\text{Ca}+\text{Mg})/\text{P}$ Ratio of 1.67	PS1.11
12	Ambroziak, Barbara	Poland	Formation of Mo-substituted CeVO_4 solid solution	PS1.12
13	Ambroziak, Barbara	Poland	Effect of the synthesis route on the formation of Mo-containing CeO_2 solid solutions	PS1.13
14	Krol, Mariusz	Poland	Calorimetric assessment of crystallization latent heat, microstructure refinement, and corrosion resistance of TiB and Sr modified Mg–Li–Al alloys	PS1.14
15	Krol, Mariusz	Poland	Matrix preselection based on differential scanning calorimetry (DSC) for newly developed epoxy resins-based multilayer composites - material analysis	PS1.15
16	Wu, Yi	China	Modulating the Combustion Performance and Energy Release of Al/CuO Thermites via RDX Doping	PS1.16
17	Mataras, Cristina	Romania	Wear-resistant ceramic material for auto parts	PS1.17
18	Cojan, Claudia Andreea	Romania	Effect of Si_3N_4 addition on Mg-ZrO ₂ /Si ₃ N ₄ ceramic composites	PS1.18

	Poster Session 2.			
No	Name	Country	Abstract title	Code
1	Krstulović-Relija, Vedrana	Croatia	1-D and 2-D Cobalt(II) Coordination Polymers with 2-Methylnicotinate Ligand	PS2.01
2	Panzic, Ivana	Croatia	Synthesis, characterization and potential applications of tungsten (VI) oxide thin films obtained by spark ablation	PS2.02
3	Pavic, Luka	Croatia	Semiconducting Mo(VI) Complexes for Alcohol Sensing	PS2.03
4	Pongrac, Petra	Croatia	Effect of Repeated Processing on Recycled Polystyrene and Lignin Composites	PS2.04
5	Bafti Dunatov, Arijeta	Croatia	Development of Indium Oxide Gas Sensors by Spark Ablation for the Detection of CO, CO ₂ , and HC _{mix}	PS2.05
6	Kwiatkowski, Kamil	Poland	Basic physicochemical properties of the continuous Sm _{5-x} Eu _x VO ₁₀ solid solution	PS2.06
7	Kwiatkowski, Kamil	Poland	Mechanochemical synthesis of the solid solution from the CuO–SnO ₂ system	PS2.07
8	Cerar, Janez	Slovenia	Activity coefficients in ionic surfactant solutions: From classical micellization thermodynamics to energetic and entropic decomposition	PS2.08
9	Choi, Joon Weon	Republic of Korea	From Discarded Garments to Jet Fuel: Production of Cycloalkane-Rich Sustainable Aviation Fuel (SAF) via Co-Pyrolysis and Hydrotreating of Waste Textiles	PS2.09
10	Lascano, Diego	Spain	Development of a custom gravimetric system for in situ investigation of calcium-based gas-solid reactions	PS2.10
11	Lascano, Diego	Spain	Influence of ink formulation on 3D-printed limestone materials for thermochemical energy storage	PS2.11
12	Dudek, Magdalena	Poland	Assessment of the carbonisation level of walnut-shell biochar produced by slow pyrolysis using organic petrography, optical reflectance, FTIR and thermal analysis	PS2.12
13	Gaweda, Ewa	Poland	An evaluation of the degradation of a polymer composite fertiliser containing waste sheep wool fibres and its effect on plant growth and development	PS2.13
14	Pietrzyk, Stanislaw	Poland	Sustainable low-temperature reductive pyrolysis of marine polymetallic nodules using waste biomass	PS2.14
15	Tsekpo, Yao	Poland	Understanding the Influence of Sn and Nb on Morphology, Sustainable Synthesis of Calcium Phosphate 1D nanostructures via Electrospinning for Advanced Functional Applications	PS2.15
16	Tihon, Oleg	Romania	Tailoring CuNP/layered double hydroxide heterostructures via memory effect for efficient solar photocatalysis	PS2.16
17	Parisi, Filippo	Italy	Emergent Catechol Selectivity in Competitive Adsorption Systems Based on Boronic-Functionalized Clay Minerals	PS2.17
18	Parisi, Filippo	Italy	Surface and Internal Exsolution Phenomena in Synthetic Chromite (FeCr ₂ O ₄) Induced by Cyclic Thermal Annealing	PS2.18

	Poster Session 3.			
No	Name	Country	Abstract title	Code
1	Skalar, Tina	Slovenia	Qualitative and Quantitative Thermal and Phase Analysis of Aged Concretes	PS3.01
2	Skalar, Tina	Slovenia	Multi-scale analysis of PCM-enhanced plasters for improving thermal comfort in buildings	PS3.02
3	Celan Korosin, Natasa	Slovenia	Beyond mass loss: thermal decomposition, evolved-gas chemistry and the role of TGA cell conditions	PS3.03
4	Celan Korosin, Natasa	Slovenia	Thermal behaviour of flame-retardant TiO ₂ -based nanocomposite coatings on cotton	PS3.04
5	Jo, Dong Yeon	Republic of Korea	CRISPR/Cas12a-Based Signal-On Colorimetric Nucleic Acid Detection via Target-Triggered RNA G-Quadruplex Activation	PS3.05
6	Badea, Mihaela	Romania	Cobalt(II) Complexes with Benzimidazole Derivatives: Structural Features, Antimicrobial and Antitumour Activity	PS3.06
7	Olar, Rodica	Romania	Copper(II) complexes with mixed heterocyclic N-based ligands developed as multipotent biologically active species	PS3.07
8	Carpen, Rodica Daniela	Romania	Oxo-DPPH as a substitute for the stable free radicals employed in measuring total antioxidant activity	PS3.08
9	Hristea, Elena Nusa	Romania	Reaction between <i>N</i> -phenoxyamine and picryl chloride. Physico-chemical properties of the new compound obtained	PS3.09
10	Ledeti, Ionut Valentin	Romania	Comparative Thermal Stability of Dexamethasone Drug Substance vs. Tablet Formulation	PS3.10
11	Ledeti, Ionut Valentin	Romania	Solid-State Characterization of an Olmesartan Medoxomil–Sulfobutylether- β -Cyclodextrin Binary System and Its Compatibility with Pharmaceutical Excipients	PS3.11
12	Erceg, Matko	Croatia	Thermal properties of PEO/LiBOB polymer electrolytes with modified zeolite filler	PS3.12
13	Oprica, Gabriela Madalina	Romania	Properties of polyvinylidene fluoride – surface coated titanium dioxide membrane designed for agricultural wastewater treatment	PS3.13
14	Oprica, Gabriela Madalina	Romania	Exopolysaccharides-cellulose nanofibrils hybrids for biomedical application	PS3.14
15	Tiliakos, Athanasios	Romania	Single-walled carbon nanotube nanocoatings onto 3D-printed PLA/CNT freestanding electrodes for supercapacitor applications	PS3.15
16	Tudose, Madalina	Romania	Covalently Immobilized Moxifloxacin on Graphene Oxide: A Stable Biointerface with Anti-Adhesion, Antimicrobial and Selective Cellular Responses	PS3.16
17	Zancu, Andrei Silviu	Romania	Large area oxide materials thin films obtained by laser processing	PS3.17
18	Rotaru, Andrei	Romania	Effects of Pressure-Dependent Heat Release Rate on Smoke Transport and Natural Shaft Exhaust in High-Altitude Tunnel Fires	PS3.18