

# 2nd Journal of Thermal Analysis and Calorimetry Conference (2nd JTACC+V4 2019)

June 18–21, 2019 Budapest, Hungary / Danubius Hotel Helia

## ORAL PRESENTATIONS BY TOPICS

### Cement, Building materials I.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Palou</b>	<b>Martin</b>	SLOVAKIA	40	Use of calorimetry and thermal analysis to assess the mutual influence of cement and scm during the hydration of composite cementitious binders
Oral	<b>Janotka</b>	<b>Ivan</b>	SLOVAKIA	49	Resistance to carbonation of ZeoSlag by accelerated test using thermal analysis
	<b>Keppert</b>	<b>Martin</b>	CZECH REPUBLIC	298	Phase composition of ceramic based alkali-activated polymers - combination of X-ray diffraction and thermal analysis
	<b>Kurek</b>	<b>Izabela</b>	POLAND	400	Analysis of the properties of foamed geopolymers modified by the addition of expanded perlite
	<b>Lakatos</b>	<b>Ákos</b>	HUNGARY	729	Effects of the heat annealing in the properties of fibrous aerogel insulation
	<b>Antonovič</b>	<b>Valentin</b>	LITHUANIA	1272	The effect of milled fluidized catalytic cracking catalyst waste on calcium aluminate cement hydration and structure formation of binder

### Cement, Building materials II.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Scheinherrová</b>	<b>Lenka</b>	CZECH REPUBLIC	547	Thermal analysis of ceramic-based geopolymers exposed to accelerated carbonation
Oral	<b>Vimmrová</b>	<b>Alena</b>	CZECH REPUBLIC	531	Changes in structure and composition of gypsum paste at high temperatures

## Energetic materials I.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Sun</b>	<b>Lixian</b>	CHINA	106	Enhanced Hydrogen Storage by Doping Catalysts and Nanoconfinement and Thermal Analysis Study
Oral	<b>Füglein</b>	<b>Ekkehard</b>	GERMANY	810	Decomposition of Hydrogen Peroxide Investigated With Different Calorimetric Techniques
	<b>Hobbs</b>	<b>Michael L.</b>	UNITED STATES	72	Estimating RDX Solubility in TNT at the Melting Point of RDX (198-204 °C)
	<b>Majchrzak-Kuceba</b>	<b>Izabela</b>	POLAND	1156	The potential of biocarbon as CO2 adsorbent in VPSA unit
	<b>Wang</b>	<b>Yi Kai</b>	CHINA	450	Study of the ratio of fuel to oxidant on the kinetic of ignition reaction of MT and MTV pyrotechnics by non-isothermal TG DSC technique
	<b>Yan</b>	<b>Tao</b>	CHINA	1194	Energetic Performance and Reaction Mechanism of Nano-Aluminium Based Microspheres

## Inorganic materials I.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Zvereva</b>	<b>Irina</b>	RUSSIA	316	Thermal analysis of intercalation phenomena in promising photocatalysts
Oral	<b>Barta Holló</b>	<b>Berta</b>	SERBIA	1027	The role of oxanions in the thermal decomposition of [Agpy4]XO4.4[Agpy2XO4] (X=Mn, Cl) double salt complexes having tetrahedral Agpy4 cation and three-coordinated (( $\text{N-py}$ ) <sub>2</sub> Ag- $\text{O}$ ) <sub>1</sub> -OXO3 units
	<b>Benavidez</b>	<b>Edgardo R</b>	ARGENTINA	231	Analysis of DTA and dilatometric data used to study the behaviour of a mould flux
	<b>Paiva Franguelli</b>	<b>Fernanda</b>	HUNGARY	343	Synthesis, characterization and thermal decomposition of hexaamminecobalt(III) permanganate – [Co(NH3)6](MnO4)3 – a precursor to prepare cobalt-manganese oxides
	<b>Gyórfi</b>	<b>Katalin</b>	HUNGARY	1030	Exfoliation, surface modification and photocatalytic application of an iron-rich kaolinite
	<b>Kharitonova</b>	<b>Elena</b>	RUSSIA	186	Polymorphism of Bi2O3-based compounds in Bi2O3-Ln2O3-WO3 (Ln = La, Pr, Nd) systems
	<b>Kim</b>	<b>Hern</b>	SOUTH KOREA	256	Janus superhydrophilic/superhydrophobic nanofiber membrane decorated with CNT for oil water separation
	<b>Várhelyi</b>	<b>Csaba jr.</b>	ROMANIA	508	Thermal and spectroscopical analysis of iron(II) and copper(II) complexes with azomethines

### Materials sciences, Geosciences I.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Vecchio Cipriotti</b>	<b>Stefano</b>	ITALY	489	Thermal analysis study of vaporization of ionic compounds. The case of tetramethylammonium iodide
Oral	<b>Dippong</b>	<b>Thomas</b>	ROMANIA	649	Thermal behavior of Ni-Zn ferrite nanoparticles embedded in silica and PVA matrix
	<b>Okhotnikova</b>	<b>Ekaterina Sergeevna</b>	RUSSIA	174	The study of bitumen's microstructure by modulated differential scanning calorimetry
	<b>Boldyreva</b>	<b>Elena V</b>	RUSSIA	1161	JTAC and its role in my scientific career
	<b>Hashimoto</b>	<b>Takuya</b>	JAPAN	696	Evaluation of Stability of Pr <sub>2-x</sub> Nd <sub>x</sub> NiO <sub>4+δ</sub> by Thermogravimetry under various oxygen partial pressures

### Materials sciences, Geosciences II.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Suñol</b>	<b>Joan J</b>	SPAIN	639	Thermal analysis of magnetic materials
Oral	<b>Resnina</b>	<b>Natalia</b>	RUSSIA	546	Isothermal martensitic transformations in NiTi-based shape memory alloys: kinetics and strain behaviour
	<b>Watanabe</b>	<b>Keisuke</b>	JAPAN	274	Thermal and spectroscopic study to investigate the effect of the thermal history on the phase behavior of the ionic liquid (C <sub>4</sub> mim)PF <sub>6</sub>
	<b>Silarska</b>	<b>Katarzyna</b>	POLAND	775	Influence of crystalline and amorphous phosphate phases on electrical properties and chemical stability of BaCe <sub>0.9</sub> Y <sub>0.1</sub> O <sub>3-δ</sub> protonic conductors

### Materials sciences, Geosciences III.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Ozao</b>	<b>Riko</b>	JAPAN	679	Approaches for Better Thermal Analysis-Activities of the Standardization Working Group of JSCTA (Japan Society of Calorimetry and Thermal Analysis)
Oral	<b>Angelica</b>	<b>Romulo S</b>	BRAZIL	600	Dehydroxylation enthalpy standards to the quantification of Al-GOETHITES

<b>Kaljuvee</b>	<b>Tiit</b>	ESTONIA	289	Thermal behaviour of Estonian phosphorites from different deposits
<b>Liu</b>	<b>Bo</b>	CHINA	501	Thermal Properties of Ethylene-vinyl Acetate Copolymer with Coal Ash and Layered Double Hydroxide Composite AS Flame Retardants
<b>Frivaldsky</b>	<b>Michal</b>	SLOVAKIA	1044	The study of the inductive heating of the molybdenum sheet
<b>Lopez Valdivieso</b>	<b>Alejandro</b>	MEXICO	856	Adsorption mechanism study of xanthates on PbS by titration microcalorimetry

### Metals, alloys, intermetallics I.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Drozdová</b>	<b>Lubomíra</b>	CZECH REPUBLIC	477	Investigation of Fe-C-Cr and Fe-C-Cr-Ni based systems with the use of DTA and HT-LSCM methods
	<b>Hryha</b>	<b>Eduard</b>	SWEDEN	985	Application of thermal analysis in powder metallurgy and additive manufacturing: an overview
	<b>Huang</b>	<b>Qiaoyun</b>	CHINA	325	Adsorption of Cd on mineral-bacteria composites at different ratios
	<b>Migas</b>	<b>Damian</b>	POLAND	565	Selection of heat treatment parameters for $\gamma/\gamma'$ Co-based superalloys aided by DTA analysis
	<b>Timelli</b>	<b>Giulio</b>	ITALY	663	Performance of AlTi3Co0.15 master alloy in refining grain structure of secondary AlSi7Cu3Mg foundry alloys

### Metals, alloys, intermetallics II.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Kotrlová</b>	<b>Michaela</b>	CZECH REPUBLIC	537	Crystallization and oxidation kinetics of Zr-Cu and Zr-Hf-Cu thin-film metallic glasses
	<b>Pan</b>	<b>Gong</b>	CHINA	8	Crystallization kinetics of multicomponent bulk metallic glasses
	<b>Smetana</b>	<b>Bedřich</b>	CZECH REPUBLIC	562	Important issues connected with differential thermal analysis of Fe-C based alloys
	<b>Wendel</b>	<b>Johan</b>	SWEDEN	903	Oxide reduction and oxygen removal in water-atomized iron powder - a kinetic study

### Nanofluid, Heat transfer, Energy conversion, Exergy I.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Mahian</b>	<b>Omid</b>	CHINA	1273	Application of Nanofluids in Renewable Energy
Oral	<b>Achchaq</b>	<b>Fouzia</b>	FRANCE	790	In-situ real-time preliminary study of carbon felt fibres interaction with libr, lioh and Li4Br(OH)3 at microscale
	<b>Agarwal</b>	<b>Ravi</b>	INDIA	351	Thermal conductivity sensitivity of neutron irradiated aluminum oxide nanofluids
	<b>Vincent O.</b>	<b>Odhiambo</b>	HUNGARY	1033	Thermal properties of TiO2 nanofibers synthesized by electrospinning using water soluble Ti-precursor
	<b>Li</b>	<b>Yaru</b>	CHINA	1084	Reactivity of fluororubber modified aluminum in terms of heat transfer effect
	<b>Shin</b>	<b>Dong Ho</b>	SOUTH KOREA	1174	A study on the control of thermal performance using bimetal fin channel in heat exchanger

### Nanofluid, Heat transfer, Energy conversion, Exergy II.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Murugesan</b>	<b>Mohanraj M</b>	INDIA	328	Thermodynamic performance of a direct expansion solar assisted heat pumps using packed bed evaporator-collector
Oral	<b>Duquesne</b>	<b>Marie</b>	FRANCE	762	Discharge of undercooled xylitol-erythritol eutectic blend for seasonal energy storage
	<b>Jiang</b>	<b>Liang</b>	CHINA	871	Self-luminous polyethylene glycol based phase change materials for both thermal and light energy storage

### Nanofluid, Heat transfer, Energy conversion, Exergy III.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Kempannagari</b>	<b>Anantha Kumar</b>	INDIA	616	Effect of radiation on MHD time-dependent Casson fluid flow past an exponentially stretching curved sheet
	<b>Le Bot</b>	<b>Cédric</b>	FRANCE	768	Numerical simulation of heat discharge during solidification

<b>Moga</b>	<b>Ligia</b>	ROMANIA	645	Thermal characterisation of building components having PCM layers
<b>Nickerson</b>	<b>Jarett</b>	CANADA	859	Thermal Conductivity Characterization of Enhanced Materials: Method Selection and Comparison
<b>Pasierb</b>	<b>Pawel</b>	POLAND	988	Influence of Temperature on Properties of Selected Materials for Energy Storage and Conversion Applications
<b>Szlachta</b>	<b>Monika</b>	POLAND	1126	The thermal study of polyurethane/hydroxyapatite/chitosan composites modified with phase change material

### Nanofluid, Heat transfer, Energy conversion, Exergy IV.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Shu</b>	<b>Chi-Min</b>	TAIWAN	405	Further investigation on calorimetric approach to appraise thermal explosion in propylene purification process.
Oral	<b>Pelovski</b>	<b>Yoncho</b>	BULGARIA	1003	Integrated treatment of bio-wastes for circular economy
	<b>Rueda-Ordóñez</b>	<b>Yesid J</b>	COLOMBIA	1111	Valorisation of food wastes through torrefaction – thermal decomposition and kinetic analysis
	<b>Shlyakhtina</b>	<b>Anna</b>	RUSSIA	166	Features of the mechanosynthesis of proton-conducting molybdates R10Mo2O21 (R = La, Nd, Y, Er) containing magnetic (R = Nd, Er) and non-magnetic cations (R = La, Y)
	<b>Wu</b>	<b>Bo</b>	CHINA	802	Phase change materials based on recyclable thermosetting polymers for thermal energy storage
	<b>Zwierzchowski</b>	<b>Ryszard</b>	POLAND	396	Energy and exergy efficiencies of sensible Thermal Energy Storage for large CHP plant in Poland

### Nanofluid, Heat transfer, Energy conversion, Exergy V.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Abdulagatov</b>	<b>Ilmutdin</b>	RUSSIA	252	Simultaneous measurements of the PVT and thermal pressure coefficient of 2-propanol and derived values of internal pressure in the critical and supercritical regions
	<b>Cheng</b>	<b>Yu-Chi</b>	TAIWAN	588	Discussion on the influence of coal dust dispersion pressure on minimum ignition temperature
	<b>Xiao-Jun</b>	<b>Yang</b>	CHINA	291	A new fractional-order anomalous heat-conduction equation within the weakly singular kernel

<b>Yuan</b>	<b>Ye</b>	CHINA	798	Amplifying the enthalpy of form-stable phase change materials bearing methyl red group with UV light
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### Nanomaterials, Ceramics I.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Abdullah</b>	<b>Thamer Adnan</b>	HUNGARY	946	Synthesis, Characterization of Vanadium Pentoxide Nanoparticles and Determination of Catalase Mimetic Activity by using New Colorimetric Method
	<b>Bakos</b>	<b>László P.</b>	HUNGARY	1000	Thermal properties of graphene oxide/copper oxide composites
	<b>Bannov</b>	<b>Alexander G.</b>	RUSSIA	220	Investigation of synthesis dynamics of graphite oxide
	<b>Boucenna</b>	<b>Imane</b>	FRANCE	933	Rheology and its temperature-dependence in thermosensitive copolymer-clay systems

### Nanomaterials, Ceramics II.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Bartyzel</b>	<b>Agata</b>	POLAND	654	Complexation abilities of multifunctional N, O-donor ligands toward d-Block metal ions - structural and thermal aspects
	<b>Cristovao</b>	<b>Beata</b>	POLAND	655	Heteronuclear CuII/ZnII complexes with N, O-donor ligands - synthesis, crystal structures and thermal properties
	<b>Kourtidou</b>	<b>Dimitra</b>	GREECE	576	Study of Thermal and Mechanical properties of Crosslinked Polyethylene/Expanded Graphene Nanocomposites
	<b>Pielichowski</b>	<b>Krzysztof</b>	POLAND	385	Modification of nanocrystalline cellulose toward fabrication of bio-based polyamide composites
	<b>Psarras</b>	<b>Georgios C.</b>	GREECE	855	Probing the multifunctional behaviour of barium zirconate/barium titanate/epoxy resin hybrid nanodielectrics CTRICS

### Nanomaterials, Ceramics III.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Zaharescu</b>	<b>Maria Magdalena</b>	ROMANIA	612	Thermal behavior of gels obtained by microwave-assisted sol-gel method

Oral	<b>Bartak</b>	<b>Jaroslav</b>	CZECH REPUBLIC	1266	Crystal growth in chalcogenide glasses - combination of direct and indirect experimental methods
	<b>Tamura</b>	<b>Kazuhiro</b>	JAPAN	507	High thermal conductive epoxy resin composite with titanium oxide nanoparticle modified by stearic acid and benzoic acid in supercritical carbon dioxide
	<b>Tarani</b>	<b>Evangelia</b>	GREECE	361	Review on modeling of mechanical properties and thermal conductivity of graphene nanoplatelets reinforced high-density polyethylene composites
	<b>Vágvölgyi</b>	<b>Veronika</b>	HUNGARY	1021	Influence of the modified iron content on the photocatalytic activity of kaolinite
	<b>Yatsenko</b>	<b>Elena A.</b>	RUSSIA	750	Peculiarities of foam glass synthesis from natural silica-containing raw materials

### Nanomaterials, Ceramics IV.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Kavanová</b>	<b>Mária</b>	CZECH REPUBLIC	519	Application of thermal analyses (TG-DTA, DIL, TMA) to the study of glazes
	<b>Prnova</b>	<b>Anna</b>	SLOVAKIA	483	Study of thermal behaviour and photoluminescence properties of Er and Nd doped by yttrium aluminate glasses
	<b>Świontek</b>	<b>Szymon</b>	POLAND	1147	The effect of LiF on the thermal stability and thermoluminescence properties of borosilicate glasses
	<b>Zsirka</b>	<b>Balázs</b>	HUNGARY	1042	Synthesis, characterisation and photocatalytic application of halloysite-based nano-hybrids

### Pharmaceuticals, Fuels, Biofuels, Cultural Heritage I.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Mészáros-Szécsényi</b>	<b>Katalin</b>	SERBIA-HUNGARY	267	Thermal Analysis of Coordination Compounds with Biological Activity
Oral	<b>Cavalheiro</b>	<b>Eder T G</b>	BRAZIL	667	Thermal behavior of anti-inflammatory drug naproxen
	<b>Dolega</b>	<b>Agnieszka</b>	POLAND	172	Physical stability evaluation of carbamazepine
	<b>Laszlo</b>	<b>Krisztina</b>	HUNGARY	712	Drug- matrix interactions in probe molecule loaded responsive hydrogels and implications for drug delivery



<b>Legendre</b>	<b>Bernard</b>	FRANCE	741	Study of the polymorphism of florfenicol by DSC and Calorimetry
<b>Sebestyén</b>	<b>Zoltán</b>	HUNGARY	814	Characterization of historical leathers by thermal methods

### Pharmaceuticals, Fuels, Biofuels, Cultural Heritage II.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Mothé</b>	<b>Michelle G</b>	BRAZIL	39	Kinetic of thermal decomposition of light and heavy crude oils by thermal analysis
Oral	<b>Čelan Korošič</b>	<b>Nataša</b>	SLOVENIA	243	The influence of pyrolytic conditions on physico-chemical properties of animal bone char
	<b>Hmadeh</b>	<b>Mohamad</b>	LEBANON	700	Metal-Organic Framework Catalysts for Efficient Liquid Biofuel Production
	<b>Kasianenko</b>	<b>Ekaterina</b>	RUSSIA	379	Thermal expansion of rib cartilage implants under Peltier cooling and laser heating

### Pharmaceuticals, Fuels, Biofuels, Cultural Heritage III.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Ferencz</b>	<b>Andrea</b>	HUNGARY	463	Blood plasma survey signals after surgery
	<b>Lőrinczy</b>	<b>Dénes</b>	HUNGARY	190	Thermal analysis of synovial fluids in different stages/infections of osteoarthritis
	<b>Schnitzler</b>	<b>Egon</b>	BRAZIL	415	Thermal, structural and morphological characterisation of organic rice starch after physical treatment
	<b>Verma</b>	<b>Ranjit K</b>	INDIA	948	Thermal analysis in studies of ball milled turmeric and thermooxidation of mustard oil
	<b>Zhou</b>	<b>Weibiao</b>	SINGAPORE	1165	Maltodextrin stability: impacts of salt addition, molecular weight and molecular weight distribution on thermal characteristics
	<b>Vlase</b>	<b>Titus</b>	ROMANIA	180	TG-DTA and FT-IR analyses of various samples of mortars from Deva region

### Polymers, Pyrolysis, Kinetics I.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Abatti</b>	<b>Lisandra</b>	BRAZIL	270	Thermal Properties of Rubber Compositions with Pecan Nutshell and Compatibilizing Agent to Retread Tires

<b>Faraguna</b>	<b>Fabio</b>	CROATIA	718	Low temperature behaviour of methacrylate based pour point depressants
<b>He</b>	<b>Yucheng</b>	CHINA	75	Flash DSC study on the Low-temperature crystal nucleation in the BLENDS OF poly(lactic acids)
<b>Hu</b>	<b>Wenbing</b>	CHINA	79	Flash DSC Study on Polymer Crystallization Kinetics
<b>Hussain</b>	<b>Kaneez F.</b>	KUWAIT	690	Kinetics and Degradation mechanism of CaSO <sub>4</sub> ·2H <sub>2</sub> O crystals isolated after the Inhibition effect of Maleic-anhydride polymer
<b>Sciazko</b>	<b>Marek</b>	POLAND	1020	Kinetic modelling of coking coal fluidity development

### Polymers, Pyrolysis, Kinetics II.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Van Assche</b>	<b>Guy</b>	BELGIUM	1270	Studying reversible reactions and chemorheological behaviour for the additive manufacturing of self-healing actuators
Oral	<b>Ito</b>	<b>Masayuki</b>	JAPAN	277	Fundamental aspect for the evaluation of activation energy of thermal degradation of fluorine containinga elastomer by TGA
	<b>López Beceiro</b>	<b>Jorge J.</b>	SPAIN	928	Viscoelastic behavior of silicones with different crosslinking density
	<b>Magar</b>	<b>Hussain Z.</b>	INDIA	831	Corrosion Efficacy and Thermal Stability of Novel Carboxylic-Acid Copolymers in Oil Field Brackish Water
	<b>Marosi</b>	<b>Gyorgy J.</b>	HUNGARY	1089	Thermal and spectroscopic evaluation of the applicability of biopolymers for pharmaceutical and engineering purposes
	<b>Schmitt</b>	<b>Carla C</b>	BRAZIL	675	Thermal Analysis of Gelatin/Clay Nanocomposites Solid Polymer Electrolyte

### Polymers, Pyrolysis, Kinetics III.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Budrugaec</b>	<b>Petru</b>	ROMANIA	235	Applicability of incremental isoconversional methods to determine of the dependence of activation energy on the conversion degree corresponding to heterogeneous processes performed under arb
	<b>Jakab</b>	<b>Emma</b>	HUNGARY	951	Thermal decomposition of biomass wastes derived from palm oil production

<b>Lisý</b>	<b>Anton</b>	SLOVAKIA	1108	Influence of Pd/C, Ru/C and RuPd/C catalysts on lignin ANALYTICAL pyrolysis connected with GC/MS
<b>Tarrío-Saavedra</b>	<b>Javier</b>	SPAIN	975	Thermal degradation of common feed thermoplastics for fused deposition modelling

### Polymers, Pyrolysis, Kinetics IV.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Cheng</b>	<b>Yi</b>	CHINA	69	An intersection method for evaluating the activation temperature (Top) of a chemical reaction
	<b>Huang</b>	<b>Youwang</b>	CHINA	97	How to use properly the distributed activation energy model?
	<b>Janković</b>	<b>Bojan Ž.</b>	SERBIA	66	Study of oxy-combustion of plane tree ( <i>Platanus orientalis</i> ) seeds in O <sub>2</sub> /ARGON atmosphere including kinetic analysis by the Fraser-Suzuki deconvolution for overlapping complex reactions
	<b>Koga</b>	<b>Nobuyoshi</b>	JAPAN	937	Kinetic analysis of the thermally induced transformations of calcium hydroxide in different gaseous atmospheres

### Polymers, Pyrolysis, Kinetics V.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Cavallo</b>	<b>Dario</b>	ITALY	882	Self-nucleation and heterogeneous nucleation of polypropylene micro-droplets inimmiscible blends
Oral	<b>Logvinenko</b>	<b>Vladimir A.</b>	RUSSIA	223	Thermal decomposition of clusters and coordination polymers: reaction chemism and kinetic stability
	<b>Ragula</b>	<b>Udaya B.</b>	INDIA	1077	Catalytic and Non-catalytic Pyrolysis of Nerium Oleander
	<b>Rotaru</b>	<b>Andrei</b>	ROMANIA	634	Thermal decomposition kinetics of some aromatic azomonoethers; Part V. Influence of introducing a methyl rest to the benzyloxy group of BOPPD liquid crystal
	<b>Šimon</b>	<b>Peter</b>	SLOVAKIA	888	Importance of induction periods in the prediction of material lifetimes
	<b>Stankovic</b>	<b>Branislav S</b>	SERBIA	369	Application of fractal kinetics on non-isothermal dehydration, dehydroxylation, and degradation of fullerol

## Polymers, Pyrolysis, Kinetics VI.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Bai</b>	<b>Shulin</b>	CHINA	64	Graphene filled polymer composites with enhanced thermal properties
	<b>Moradi</b>	<b>Sasan</b>	SPAIN	916	The effect of cross-linking agent and initiator on the thermal conductivity and cure kinetics of epoxy-boron nitride composites
	<b>Várhegyi</b>	<b>Gábor</b>	HUNGARY	426	Non-isothermal kinetics: Best fitting empirical models instead of model-free methods
	<b>Wuzella</b>	<b>Günter</b>	AUSTRIA	393	Isoconversional cure kinetics of a novel thermosetting resin based on linseed oil

## Theory and instrumentation, Thermochemistry, Thermal hazard, Calorimetry I.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Šesták</b>	<b>Jaroslav</b>	CZECH REPUBLIC	1183	Do we know what the temperature is: from Newton's cooling law to a wider understanding of thermal analysis
Oral	<b>Drebushchak</b>	<b>Valeri A.</b>	RUSSIA	27	Simple and accurate analytical equation for the thermal expansion of solids
	<b>Ghosh</b>	<b>Sajal</b>	INDIA	352	Investigations of phase equilibria in LiCl-GdCl <sub>3</sub> binary and LiCl-KCl-GdCl <sub>3</sub> ternary systems by DTA and XRD
	<b>Sedov</b>	<b>Igor</b>	RUSSIA	885	Nanostructure and solvation properties of several protic ionic liquids

## Theory and instrumentation, Thermochemistry, Thermal hazard, Calorimetry II.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Confalonieri</b>	<b>Chiara</b>	ITALY	982	Microstructural and thermal response evolution of metallic form-stable Phase Change Materials produced from ball-milled powders
	<b>Dubaj</b>	<b>Tibor</b>	SLOVAKIA	586	Isoconversional methods and kinetic parameters: A tool or a goal?
	<b>Fiurasek</b>	<b>Petr</b>	CANADA	147	McGill Chemistry Characterization (MC2) facility
	<b>Markham</b>	<b>Sarah Kate</b>	IRELAND	784	Polarisation changes during infrared thermography using silver halide poly-crystalline infrared fiber bundle

<b>O'Mahony</b>	<b>Charlie</b>	IRELAND	822	Computed thermal tomography and 3d ir thermography of buried defects: multiphysics modelling and experimental validation
<b>Rodríguez de Rivera</b>	<b>Pedro Jesús (PJ)</b>	SPAIN	294	Human body thermal conductance determination using a calorimetric sensor with linear programming of thermostat temperature

### Theory and instrumentation,Thermochemistry, Thermal hazard, Calorimetry III.

Type	Last Name	First Name	Country	ID	Abstract Title
Invited	<b>Xu</b>	<b>Qiang</b>	CHINA	346	Discuss of some flammability parameters derived from MCC Tests
Oral	<b>Liaw</b>	<b>Hong-Jang</b>	TAIWAN	91	Explosion Accident of DMPAT and its Thermal Hazards
	<b>Schalnat</b>	<b>Joanna</b>	BELGIUM	388	Experimental and numerical sensitivity study of sources of scatter in quantitative mechanical characterisation of (filled) polymers using DMA equipment
	<b>Slough</b>	<b>Carlton G</b>	UNITED STATES	154	Hyphenation of Thermogravimetric Analyzers with MS, FTIR and GC-MS
	<b>Yermalayeu</b>	<b>Andrei</b>	UNITED STATES	160	Combustion calorimetry: yesterday, today and tomorrow.
	<b>Liu</b>	<b>Yi</b>	CHINA	445	Research on the thermal hazards of diphenyl methane-4,4'-diisocyanate (MDI)

### Theory and instrumentation,Thermochemistry, Thermal hazard, Calorimetry IV.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Bsaibess</b>	<b>Eliane</b>	FRANCE	721	Investigation of the electrocaloric effect by pASC calorimetry
	<b>Jendrzeczyk-Handzlik</b>	<b>Dominika</b>	POLAND	432	Thermodynamic properties of liquid Au-Ga, Ga-In and Au-Ga-In systems determined from calorimetric measurements
	<b>Xie</b>	<b>Qiyuan</b>	CHINA	46	Pyrolysis Characteristics of Materials for 220 kV Cable and Ignition Route Analyses

Theory and instrumentation, Thermochemistry, Thermal hazard, Calorimetry V.

Type	Last Name	First Name	Country	ID	Abstract Title
Oral	<b>Li</b>	<b>Long</b>	CHINA	819	Combustion Behaviour and Thermal Stability of TPU Composites Using Layered Yttrium Hydroxide and Graphene Oxide as Flame Retardant Materials
	<b>Mailhé</b>	<b>Clément</b>	FRANCE	717	Fast and low-cost calorimetry method based on infrared thermography for phase diagrams estimation
	<b>Meschel</b>	<b>Susan V.</b>	UNITED STATES	268	Thermochemical behavior of some 3d Transition metal-Antimony compounds by high temperature direct synthesis calorimetry
	<b>Surendran Lathika</b>	<b>Aravind</b>	INDIA	619	Thermo-kinetic studies on Azodicarbonamide/Potassium periodate Airbag gas generants
	<b>Wardhono</b>	<b>Endarto</b>	INDONESIA	1065	Differential scanning calorimetry as a thermoanalytical technique in observing the evolution dispersed droplets of concentrated W/O emulsion

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