JTACC+V4 3rd Journal of Thermal Analysis and Calorimetry Conference and 9th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference / JTACC+V4 2023

20-23 June 2023 / Balatonfüred, Hungary Danubius Hotel Annabella

| Chair Emirary Pedichorous Present 1020-1120 1020-1 | ZnO@GO/DW based binary composite nanofluid for ission Panoráma Room Panoráma Room Inductivity, Heat transfer, Exergy, Energy conversion 2. Chair: Róbert Sánta (Hungary) Ittacharyya (India): Thermohydraulic performance of ular tube fitted with spring tape inserts in transition flow pen sorption Itachatan): Thermal performance analysis of a heat pump pen sorption Itachatan): Thermal performance analysis of a heat pump pen sorption Itachatan: Thermal performance analysis of a heat pump pen sorption Itachatan: Thermal performance analysis of a heat pump pen sorption Itachatan: Thermal performance analysis of a heat pump pen sorption Itachatan: Thermal performance analysis of a heat pump pen sorption Itachatan: Thermal performance and lare pen pen pen pen pen pen pen pen pen pe |
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| 15-20-15-40 Magdatena Sobiesiak (Poland): Research on the carbonization process of hybrid sulphanile acid on the process Polar Break & Poster Session 3. / Ground Floor Lobby | air: Stefano Vecchio-Ciprioti (Italy) uff (Canada): Strain and strange small ring organic nd): Thermogravimetric analysis of oxygen carriers for the cology a): Gasification of surgical masks waste and its life cycle irkiye): Thermohydraulic performance and second law leat exchanger tube using a combination of two heat |
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| Invited / Petra Sulcová (Czech Republic): 50th anniversary of the foundation of Czech group for thermal analysis and fire safety or thermal analysis and fire safety engineering: inex insights and challenges 16:40-17:00 Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal behavior and evolution of properties Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal behavior and evolution of properties Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal behavior and evolution of properties Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal behavior and evolution of properties Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal behavior and the policy of properties of the disultide Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal behavior and the properties of the disultide Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal behavior and the properties of the disultide Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal properties of the disultide Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal behavior and the properties of the disultide Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal properties of under the properties of the disultide Safra Zurjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal properties of under the properties of the disultide Safra Zurjakova (Czech Republic): Safra Zurjakova (Czech Republ | uff (Canada): Strain and strange small ring organic nd): Thermogravimetric analysis of oxygen carriers for the hology a): Gasification of surgical masks waste and its life cycle irkiye): Thermohydraulic performance and second law heat exchanger tube using a combination of two heat |
| 16.40-17:00 Sarka Zuzjakova (Czech Republic): W-Zr thin-film metallic glasses: thermal behavior and evolution of properties Rishabh Dwivedi (India): Experimental investigations on the thermo-mechanical characterization of Jalore granitic rocks for India's HLW disposal Septication in CLC techn characterization of Jalore granitic rocks for India's HLW disposal Sarwy Yousef (Lithuan Justyna Sulvowska (Poland): Study the influence of Fe, Mo, Mn, and Zn ions on the structure of sulfur bearing glasses for use as a glassy fertilizers Mahmoud Reda (Austria): Thermochemical properties of tin disulfide Sarwy Yousef (Lithuan Sassment in the structure and crystallisation of soil-active glasses Lukas Fischer (Austria): Self-healing anodes for Li-l'On batteries: enthalpy of on the structure and crystallisation of soil-active glasses Maker Ghaffari Khalligh (Malaysia): 2-cycloalkylsulfanyl-f1,3.4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-f1,3.4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-f1,4.5,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-f1,4.5,4]thiadiazole-5-thiol or 5-Cyclopentyls | a): Gasification of surgical masks waste and its life cycle irkiye): Thermohydraulic performance and second law leat exchanger tube using a combination of two heat |
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| 17:40-18:00 Alena Akusevich (Slovakia): Study of thermal behavior and sintering ability of YAG/Al2O3 glasses Nader Ghaffari Khaligh (Malaysia): 2-cycloalkylsulfanyl-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-3H-[1,3,4]thiadiazole-2-thione: Synthesis and Spectroscopic characterization, and single crystal XRD of new monocycle Nader Ghaffari Khaligh (Malaysia): 2-cycloalkylsulfanyl-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-3H-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-1B-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-1B-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-1B-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-1B-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-3H-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-3H-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-3H-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-3H-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-3H-[1,3,4]thiadiazole-5-thiol or 5-Cyclopentylsulfanyl-3H-[1,3,4]thiadiazole-5-thiology. 10-9-8:00-8:00-8:00-8:00-9:00-9:00-9:00-9 | |
| 18:00-19:00 JTAC Forum South | |
| 8:00-8:30 Registration / Lobby Deák Room 8:30-9:10 Plenary / Qiyuan Xie (China): Bridge the thermal analysis and fire safety engineering: new insights and challenges 9:10-9:30 Silver Sponsor Lecture: Laurent Zoppi (Mettler Toledo) 0:30-10:00 Coffee Break & Poster Session 4. / Ground Floor Lobby Coffee Break & Poster Session 5. / Groun | |
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| Nanomaterials, Materials science, Metals 3. Chair: Veronika Vágvölgyi (Hungary) 10:30-11:00 Nanomaterials, Materials science, Metals 3. Fuels, Bio, Pharmaceuticals, Geo , Calorim, Thermochem, Instrumentation 4. Chair: Juan-Carlos Moreno-Pirajan (Colombia) Invited / George Kaptay (Hungary): Paradigm-shift in equilibria of nano- Invited / Éder TG Cavalheiro (Brazil): Thermoanalytical studies of some Invited / Giuseppe Laz | |
| 10:30-11:00 Invited / George Kaptay (Hungary): Paradigm-shift in equilibria of nano- Invited / Éder TG Cavalheiro (Brazil): Thermoanalytical studies of some Invited / Giuseppe Laz | Panoráma Room Polymer, pyrolysis 1. |
| | Chair: Hua Zhang (China) zara (Italy): Microwax/halloysite nanotubes composites: |
| 11:00 -11:20 Irina M. Petreanu (Romania): Nanocomposite polyfenyleneoxide with amino- Jose E. Delgado Liriano (France): Adiabatic hydrogenation of alkyl levulinates to Sasan Moradi (Spain): | nservation of cultural heritage |
| functionalized silica: structural characterization based on thermal analysis gamma valerolactone isocyanate-epoxy dual-or | Fully recyclable vitrimers based on ternary thiol- curing systems quez (Spain): Hybrid mesoporous silica with antioxidant |
| properties of the 3D printing materials applicable for superconducting TORT analysis and safety recommendations as a feasible approach to cables | or improving thermal protection of recycled polyolefins |
| Co-Fe-Ni-Cu multiprincipal element alloys at high temperature hydrolysis of epichlorohydrin the pyrolysis of different phenomenological mode | |
| 12:00 -12:20 Martin Keppert (Czech Republic): Reactivity of precursors for geopolymerisation studied by isothermal calorimetry Kun Fu (China): Removal of metallic radionuclides from irradiated graphite by chlorination roasting Anna Vykydalová (Slo chlorination roasting) Group photo | vakia): Thermal properties of PHB/PCL investigated by |
| 12:30-13:30 Buffet Lunch / Tagore Room Restaurant | Danaréma Baam |
| Deák Room Nanomaterials, Materials science, Metals 4. Kinetics, Thermal hazard 1. | Panoráma Room Polymer, pyrolysis 2. |
| 13:30-14:00 Invited / Oana Catalina Mocioiu (Romania): Zinc oxide: thermal analysis, Invited / Petru Budrugeac (Romania): Applicability of model free isothermal Invited / Krzysztof Piel | ichowski (Poland): Thermal characteristics of rid materials and nanocomposites |
| isoconversional methods 14:00-14:20 Veronika Vágvölgyi (Hungary): Halloysite – Zn-Cu/Zn-Cu/Ti-Ni oxide composite Feng Zhang (China): Experimental investigation on the temperature distribution of Laura S. Vázquez (Spa | in): Evaluation by DSC of the Joule curing process of |
| systems as potential photocatalysts corrugated steel web box girder with and without encased concrete carbon epoxy composite | ch Republic): Crystallization of long-chain branched |
| 14:40-15:00 Aatikah Meraj (Malaysia): Structural, morphological and thermal properties of Kuan-Chun Chiu (Taiwan): Study of thermal stability of ionic liquids [PYR14][DCA] Csenge Vámos (Hunga | arry): Porous polymer by solvent treatment and controlled plar-reflectivity and passive radiative cooling |
| 15:00-15:20 Mohammad Jawaid (Malaysia): Effect of kenaf fibre loading on thermal and dynamic mechanical properties of bioepoxy composites Abdelhakim Settar (France): Kinetic analysis using isoconversional methods and fitting model of fire retardant coated on banana biocomposite reinforced by silicon polymer coatings of options of the polymer coatings | ka (Poland): Aging and degradation processes in cal fiber cables |
| 15:20-15:40 György J. Pokol (Hungary): Thermal and spectroscopical analysis of platinum Tibor Dubaj (Slovakia): Assessing the performance of various incremental Lenka Gajzlerova (Cze | ch Republic): Morphological evolution of long-chain under various processing conditions |
| 15:40-16:10 Coffee Break & Poster Session 6. / Ground Floor Lobby 17:30-18:30 Transfer to the Conference Dinner | |
| 18:30-22:00 Conference Dinner in Hangvilla Restaurant / Veszprém 22:00-23:00 Transfer to Danubius Hotel Annabella | |
| Friday / 23 June | |
| 8:00-8:30 Registration / Lobby Deák Room | |
| 8:30-9:10 Plenary / Berta Balla Holló (Serbia): The role of TG-MS in the characterization of coordination compounds 9:10-9:30 Bronze Sponsor Lecture: Ekkehard Füglein (NETZSCH) | |
| 9:30 - 10:00 Coffee Break & Poster Session 7. / Ground Floor Lobby | |
| 10:00 -10:30 Coffee Break & Poster Session 8. / Ground Floor Lobby Club Room Comparing Comparing Segments Incomparing Segments Incomp | Panoráma Room |
| | Polymer, pyrolysis 3. air: Yasser Elhenawy (South Africa) |
| | (India): Engineering at the nanoscale: a strategy for ance functional materials from biopolymers |
| 11:00-11:20 Arezki Tagnit Hamou (Canada): Measurement of pozzolans reactivity with the isothermal calorimetry and other methods Yang Xiao (China): Designation of rare-earth based PVC tube associated with characterization of ch | Hungary): Laboratory scale production and thermal coals from variously tanned leathers |
| microstructure characteristics of fiber-reinforced self-compacting mortars carriers for biomass combustion pomace – investigation | nd): Pyrolysis of hydrothermally pretreated carrot |
| the whiteness and hydration heat of white cement aqueous-organic mixture to be flammable combustion, kinetics and analysis | using Py-GC-MS, Py-FT-IR, and TGA techniques |
| | Sweden): Pyrolysis of alkali modified rice husks: It thermodynamic parameters using thermogravimetric |
| 12:20-13:30 | Sweden): Pyrolysis of alkali modified rice husks: d thermodynamic parameters using thermogravimetric serbia): The kinetics analyses of non-isothermal |
| 12:20-13:30 Buffet Lunch / Tagore Room Restaurant Club Room Name fluid. The week and satisfact the statement for Everyor Engrape and satisfact the statement of the statement | Sweden): Pyrolysis of alkali modified rice husks: d thermodynamic parameters using thermogravimetric serbia): The kinetics analyses of non-isothermal nacrylic acid) hydrogel by application of nucleation model Panoráma Room |
| Deák Room Club Room Nanofluid, Thermal conductivity, Heat transfer, Exergy, Energy conversion 4. Chair: Mehrdad Mesgarpour (Thailand) Chair: Jo-Ming Tseng (Taiwan) | Sweden): Pyrolysis of alkali modified rice husks: d thermodynamic parameters using thermogravimetric erbia): The kinetics analyses of non-isothermal nacrylic acid) hydrogel by application of nucleation model Panoráma Room Polymer, pyrolysis 4. Chair: Olivier Fischer (Canada) |
| Deák Room Nanofluid, Thermal conductivity, Heat transfer, Exergy, Energy conversion 4. Chair: Mehrdad Mesgarpour (Thailand) 13:30-14:00 Invited / Mohammad Ferdows (Bangladesh): Thermal investigation of hybrid nanoliquid convection across moving surface Invited / Peter Simon (Slovakia): Two interpretations of isoconversional kinetic natural fiber reinforced in | Sweden): Pyrolysis of alkali modified rice husks: d thermodynamic parameters using thermogravimetric serbia): The kinetics analyses of non-isothermal nacrylic acid) hydrogel by application of nucleation model Panoráma Room Polymer, pyrolysis 4. Chair: Olivier Fischer (Canada) (Hungary): Crystalline structure and reinforcement in PP composites |
| Deák Room Nanofluid, Thermal conductivity, Heat transfer, Exergy, Energy conversion 4. Chair: Mehrdad Mesgarpour (Thailand) Invited / Mohammad Ferdows (Bangladesh): Thermal investigation of hybrid nanoliquid convection across moving surface 14:00-14:20 Hsin Yu Chi (Taiwan): Using a GPU-based lattice Boltzmann method to investigate the heat convection of a lithium battery pack Mostafa Safdari Shadloo (France): Modelling the regeneration process in soot filters using iterative lattice Boltzmann method Keng Yinn Wong (Malaysia): Is thermal-guided mobile air supply a practical Gábor Várhegyi (Hungary): Can varying activation energy be determined reliably Hua Zhang (China): France in Club Room Kinetics, Thermal hazard 2. Invited / Peter Simon (Slovakia): Two interpretations of isoconversional kinetic parameters Invited / Peter Simon (Slovakia): Two interpretations of isoconversional kinetic parameters Invited / János Móczó natural fiber reinforced in Mostafa Safdari Shadloo (France): Modelling the regeneration process in soot filters using iterative lattice Boltzmann method Keng Yinn Wong (Malaysia): Is thermal-guided mobile air supply a practical | Sweden): Pyrolysis of alkali modified rice husks: dithermodynamic parameters using thermogravimetric serbia): The kinetics analyses of non-isothermal nacrylic acid) hydrogel by application of nucleation model Panoráma Room Polymer, pyrolysis 4. Chair: Olivier Fischer (Canada) (Hungary): Crystalline structure and reinforcement in PP composites is kinetics and volatile release of hydrothermally aged |
| Deák Room Nanofluid, Thermal conductivity, Heat transfer, Exergy, Energy conversion 4. Chair: Mehrdad Mesgarpour (Thailand) 13:30-14:00 Invited / Mohammad Ferdows (Bangladesh): Thermal investigation of hybrid nanoliquid convection across moving surface 14:00-14:20 Hsin Yu Chi (Taiwan): Using a GPU-based lattice Boltzmann method to investigate the heat convection of a lithium battery pack 14:20-14:40 Keng Yinn Wong (Malaysia): Is thermal-guided mobile air supply a practical measure in burn isolation wards? Potential future applications Club Room Kinetics, Thermal hazard 2. Invited / Peter Simon (Slovakia): Two interpretations of isoconversional kinetic parameters Invited / Peter Simon (Slovakia): Two interpretations of isoconversional kinetic parameters Mostafa Safdari Shadloo (France): Modelling the regeneration process in soot filters using iterative lattice Boltzmann method Schor Várhegyi (Hungary): Can varying activation energy be determined reliably from thermoanalytical experiments? Hua Zhang (China): Frunder autogenic atmosphane. | Sweden): Pyrolysis of alkali modified rice husks: dithermodynamic parameters using thermogravimetric serbia): The kinetics analyses of non-isothermal nacrylic acid) hydrogel by application of nucleation model Panoráma Room Polymer, pyrolysis 4. Chair: Olivier Fischer (Canada) (Hungary): Crystalline structure and reinforcement in PP composites is kinetics and volatile release of hydrothermally aged |