| Day | Monday 27 May 2019 | | | | | | Wednesday 29 May 2019 | | | | |
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| Time | Mirror hall?? | | B Room 2 | | C Room 3 | | B Room 2 | | C Room 2 | | |
| 9 | | | Claus Sukhova, Vladimir Polovnik, Ekaterina Ustinova and Marina Beron | Corrosion of quasicrystalline Al–Cu–Fe and Al–Ni–Fe alloys in acidic solutions | Mariama Ali and Ahmed Abdel Moneim | Effect of inorganic doping on the Thermoelectric Behavior of Polyaniline Nanocomposites | Chao Yuan and Stuart Blackburn | Development and Evaluation of Alumina Ceramic System towards Investment Casting Reactive Alloy | Li Lu, Linchun He and Chao Chen | Inorganic Solid Electrolyte for Solid-state Batteries | |
| | | | Zoltan Zhu and Caterina Zanella | Effect of Fe-intermetallics on surface hardness and corrosion resistance of anodised Al-Si produced by thixocasting process | Abdul Sanead Mohammed, Aimas Bin Ali and Nasar Merah | Tribological Performance of Organoclay reinforced UHMWPE Nanocomposites under Water lubricated conditions | Henrik Borgström | Optimization of Furan Sand Moulding | Mohamad Moosa and Yu Dong | Modelling elastic modulus of PVA based nioncanocomposites based on 3D interphase features | |
| | | | | | Tea break | | | | Tea break | | |
| 10 | | | Bingqing Chen | Research on Laser Additive Manufacturing Technology of TiC Particles Reinforced Inconel 718 Composites | Hamanshan Vijayachitran, Rajaraman Muralisagu, Majid Al-Mahaiti and | Effect of Reinforcement Particle Size on the Properties of Aluminium Composites Produced by Squeeze Casting Process | Abin Sander Tuti, Tirumalai Srivatsan and Manoj Gupta | Microstructure and Mechanical Property Enhancement in Magnesium Using Ball-milled High Entropy Alloy Reinforcement | Kamel Wojtas, Krzysztof Wierzbanowski, Magdalena Bieda, Robert Chulist, | Antibacterial coatings deposited on titanium fabricated by unconventional method of plastic deformation | |
| | | | Anders Jarfors, Roland Stolt and Yukiri Matsushita | Spatter control in Additive Manufacturing | Arvind Singh, S. Jayalakshmi, Suihong Chen, Sergey Konovalov, S. | ROLE OF NANO-SIZE REINFORCEMENTS IN GOVERNING THE TRIBOLOGICAL BEHAVIOR OF MAGNESIUM ALLOYS | Seetharaman Senkesnarayanan, Manoj Gupta and Srivatsan Tirumalai | CONJOINT INFLUENCE OF REINFORCEMENT AND PROCESSING ON MICROSTRUCTURAL DEVELOPMENT AND MECHANICAL RESPONSE OF MAGNESIUM-BASED | Michele Fedel and Flavia Deflorian | Effect of synthesis conditions on the controlled growth of MgAl-LDH coatings: structural and functional properties | |
| 11 | | | Samuel Sadeghi, Venkatasreeram Mohandass and Parla Ashok | Effect of shot peening on high temperature corrosion behaviour of Alloy 718 manufactured by EB-PBF technique | Roger Saxningsgaon and Ilja Belov | Experimental and Simulation Study of Mould Filling in Al MMC Gravity Casting | Sravya Tekumalla, Ayushi Rai, Gururaj Parande, Vyasaraj Manakari and Manoj Gupta | Synergistic effects of alloying elements and nano-reinforcement on the mechanical and ignition response of magnesium | Ramsingh Meena, Jaswant Hirwani, Neha Singh, Jayant Jain and Sujeet Sinha | Deposition and tribological study of epoxy-30 wt% ultra-high molecular weight polyethylene- 4 wt% MoS2 composite coating on Mg-4Al substrate | |
| | | | Sridhar Venkateswaraj, Zhigian Zhang, Junkyun Guo, Damodara Reddy, | Virtual Platform for Cold Spray Additive Manufacturing Process with an integrated Multiphysics Multiscale Computational Model | R Muralisiga, Arumachalam Ramanathan and Pradeep Kumar Krishnan | SYNTHESIS, CHARACTERISATION AND TESTING OF Mg-SiC COMPOSITE USING DIFFERENT MANUFACTURING PROCESS TO ACHIEVE BEST PROPERTIES | Tzugeir Akoyyan, Nikolay Belov and Nikolay Letyagin | New nanostructured metal matrix composites based on Al, with a high fraction of aluminides Al(Cx, Le, Ni, Zr, Sc) | Ravi Teja Pasululeti, Parvati Ramaswamy, Narayana Murthy G.V.S. Sourik | Thermo-Mechanical Characteristics of Rare Earth (La, La-Ce) Zirconate Pyrochlore Thermal Barrier Coatings | |
| | | | Peter Nyamor, Omayma El-Kady, Abel Hawada and Mohsen Hassan | Multiscale finite element simulation of thermal conductivity and mechanical strength of reduced graphene oxide reinforced aluminium matrix composite | Ke-Rem Lim, Hyun-Jun Kwon, Jong-Woo Won and Young-Sang Na | Dual-phase high-entropy alloys for high-temperature structural applications | Seetharaman Senkesnarayanan, Manoj Gupta and Srivatsan Tirumalai | ON THE INFLUENCE OF PROCESSING ON MICROSTRUCTURE AND MECHANICAL RESPONSE OF MAGNESIUM-BASED NANOCOMPOSITES | Alireza Ahmadkhaniha and Caterina Zanella | Heat treatment optimization of hard and protective nanocomposite Ni/PSiC electrodeposited coatings | |
| | | | Anders Jarfors, Zhuhuan Zheng and Selem Seifeddine | The route to bring design and production together | Benjamin E. MacDonald, Zhiqiang Fu, Julia Ivanisenko, Horst Hahn and | INFLUENCE OF CONSTITUENT ELEMENT CONCENTRATION ON THE MECHANICAL BEHAVIOR OF SOLID SOLUTION CoCuFeMnNi HIGH ENTROPY ALLOYS | Srinivasan Murugan, Parande Gururaj, Kamaraj M and Gupta Manoj | Dry Sliding Wear Behaviour of Egg Shell Reinforced Mg-2.5Zn Magnesium Matrix Eco Composite | Kenji Amiya | Preparation of Ni-Mo-B amorphous coatings with high corrosion resistance by thermal spray method | |
| 12 | Registration | | Ashish Khaira and Rauf K Dwivedi | In Condition Monitoring Case Study of Compressor Located in a Heavy Industrial Setup | A.S. Sekhar and Srinivasan Tirumalai | PROCESSING, MICROSTRUCTURE AND MECHANICAL CHARACTERIZATION OF MgAlLiZnCaCu HIGH ENTROPY ALLOY | Parvati Ramaswamy, Sylvester Gomes and Souvik Ghosh | Refractory from Aluminum Dross: Transformation from Industrial Waste and Value Addition | Young-Sang Na, Kyu-Ram Lim and Yong-Hak Kim | Cyro-pressure molding of metallic glass sheet by employing rapid heating method | |
| 13 | | | | | Lunch | | | | Lunch | | |
| | Opening Ceremony and Welcome address | | | | | | | | | | |
| 14 | Manoj Gupta | Unravelling the Potential of Magnesium in Engineering and Biomedical Applications | Andrzej Baczmanski, Przemyslaw Kot, Diadeta Gadelmska, Sebastian Wronski, | Neutron measurements of stresses in AlSiCp composite during mechanical loading | Yong-Taek Hyun, Chan-Hee Park, Sang-Woo Lee, Jong-Taek Yeom, Jong-Won Won and | Microstructure and mechanical properties of Mn modified Ti-Al-Fe alloy | Guangguo Yang, Lei Xiao and Wenqi Jia | Microstructures and mechanical properties of extruded Mg-4.5Zn-2.5Gd-0.1Zr alloy | Kumud Bolmon, Aditya Gokhale, Jayant Jain and Sujeet Kumar Sinha | Effect of ageing on mechanical behaviour and tribology of Mg-6Gd-3Dy alloy | |
| | | | Wilk Suchita Kujur, Vyasaraj Manakari, Gururaj Parande, Somasundaran Prasath, Raymond Wong and Manoj | Nano-earth Oxide Reinforced Magnesium Nanocomposites: A Potential Candidate for Automotive and Biodegradable Implant Applications | Krzysztof Wierzbanowski, Daniel Wojtas, Marcin Wrobelj, Krzysztof | Mechanical properties, microstructure and texture of titanium grade 2 processed by hydrostatic extrusion | Vyasaraj Manakari, Gururaj Parande, Abhishek Mangaiyil and Manoj Gupta | Development of Multifunctional Mg-Li alloy systactic foams | Jamej Klemenc, Domen Šeruga and Marko Nagode | Plastic and total energy as the basis of durability prediction for magnesium alloy AZ31 | |
| | Dr. Srivatsan Tirumalai, Kandiseti Dheeraj and Anil Patnaik | Conjoint Influence of Composition and Processing on Microstructure and Mechanical Response of High Performance Stainless Steel | Manoj Kumar Shin, Ravi Kant Singh and Dr. Saurabh Pratap | Effect of reinforcement on microstructure and mechanical behaviour of aluminum synthesized through microwave sintering | Mahmoud Ahmed, Amaia Goitia, Roberto Polvorosa, Octavio Pereira and Iulia Norberto López | Surface integrity in the machining of heat-resistant alloy Inkite | Gururaj Parar, Anil Patnaik and Srivatsan Tirumalai | INFLUENCE OF ENVIRONMENT AND NATURE OF LOADING ON RESIDUAL STRENGTH OF A HIGH STRENGTH LOW ALLOY STEEL | Dr.V.K.Bupesh Raja, Arja Sri Sai, Bandi Vedang Goud, Alok Kumar, Joydeep Bhattacharjee, | EFFECT OF GRAIN SIZE ON TENSILE AND IMPACT RESPONSE OF PURE MAGNESIUM | |
| 15 | | | Selyakam Kar, Jan Bohlen and Hajo Dierings | Effect of AlN nanoparticles added by intensive melt shearing on the microstructure and mechanical properties of an extruded AM60 magnesium alloy nanocomposite | Ulula Pérez Cern, Eva Lis Odenberger and Mats Oldenburg | Cold and hot forming procedures for alloy 718 | Domen Šeruga, Marko Nagode and Jamej Klemenc | Measurement of stress-strain response during cyclic tests | Sanjay Mohan Sharma, Rahul Sethi, R. Arvind Singh, S. Jayalakshmi and Srivatsan Tirumalai | SYNTHESIS AND CHARACTERIZATION OF Fe-Ni-BaF2 SELF-LUBRICATING COMPOSITES PREPARED BY POWDER METALLURGY | |
| | Subodh Kumar | Development of light alloys for aerospace and automotive applications | Olena Sukhova and Yuliya Syrovatko | Formation of metal matrix composites reinforced by AlCoCu particles | Fredrik Niklasson and Anders Rosell | EVALUATION OF ANOBOLIES PRODUCED BY DRILLING IN TITANIUM FORGING. | Sunil Putskunda and Sorenya Pareswaharn | Plastic Deformation Induced Phase Transformation in Austempered Ductile Cast Iron | Anders Jarfors and Jakob Olofsson | A reassement of the Quality Index for aluminium castings | |
| | | | Gururaj Parande, Vyasaraj Manakari, Somasundaram Prasath, Raymond Wong and Manoj | MECHANICAL, CORROSION AND CYTOTOXICITY RESPONSE OF NOVEL, LIGHTWEIGHT MAGNESIUM-BASED ALLOY NANOCOMPOSITES | Salah Abdullah Al Wahibi, Abdul Samad Mohammed, Tahar Laoui, Abbas Saeed Hakeem and | Tribological performance of microwave WC-WCo cemented carbide prepared by a spark plasma sintering technique | Manoj K. Singh and Sunny Zafar | Effect of environment on mechanical characteristics of microwave processed kenaf/HDPE composites | Sunil Sinhmar and Dheerendra Kumar Dwivedi | Mechanical and corrosion behavior of pure aluminium added friction stir weld joint of aluminium alloy | |
| 16 | Per Nylen | Advanced coatings by thermal spray processes | T.K. Tunskhodjaeva | Methods to improve the mechanical properties of biomass | Patrick Adebisi Olusegun Adegbuyi, Kasali Adenimoye Adedeji and Rukaya Dia-Gbadamosi | Investigating the Effects of Process Parameters on Wrinkling, Fracture and Thinning of Aluminium Alloy 3004-H19 Cups in the Deep Drawing Process. | | | Ebad Bagherpour, Yan Huang and Zhongyun Fan | Microstructural investigation of high strength self-piercing riveted joints of different car body aluminium alloys | |
| | | | | | Lab tour | | | | Dr.V.K.Bupesh Raja, Arja Sri Sai, Bandi Vedang Goud, Alok Kumar, Joydeep Bhattacharjee, | MICROSTRUCTURAL INVESTIGATION ON TSW OF CAST PURE MAGNESIUM | |
| 17 | Welcome reception and Mingle | | | | | | | | | | |
| 18 | | | | | | | | | | | |
| 19 | | | | | Gala dinner | | | | | | |