

Cera4S 2024 - Technical Schedule		
TIME	DAY-3 (November 30, 2024)	VENUE
09:00-09:30	Plenary Lecture - Dr. Suraj Rengarajan Managing Director-SPG India, Applied Materials	TTJ Auditorium, IC&SR
	Technical Session 16: ADDITIVE MANUFACTURING OF ADVANCED CERAMICS (AMC-1) (A Workshop, sponsored by Scheme for Promotion of Academic and Research Collaboration (SPARC), Ministry of Education, Government of India) Opening Remarks by Ravi Kumar/Emanuel Ionescu	
09:30-10:00	Samuel Bernard , University of Limoges, France KL - Straightforward design of 3D polymer-derivedSiC architectures via a granule-derived FDM technology	
10:00-10:30	Parag Bhargava , Indian Institute of Technology Bombay India (IIT Bombay) KL - 3D printing of ceramics through Vat Photo-polymerization (VP) Processes	Annexe & Dining Halls, IC&SR
10:30-11:00	Tea Break	
	Technical Session 17: ADDITIVE MANUFACTURING OF ADVANCED CERAMICS (AMC-2) (A Workshop sponsored by Scheme for Promotion of Academic and Research Collaboration (SPARC), Ministry of Education, Government of India) Session Chair: Emanuel Ionescu	TTJ Auditorium, IC&SR
11:00-11:30	Martin Schwentenwein , Lithoz GmbH, Vienna, Austria KL - Vat Photopolymerization of Highly Accurate Non-oxide Ceramics	
11:30-11:50	Basavaraj M. Gurappa , Indian Institute of Technology Madras India (IIT Madras) IL - A General Route to Porous Ceramics via Processible Pickering Emulsions	
11:50-12:10	Maxence Bourjol , 3DCERAM Sinto, Limoges, France IL - An Innovative Approach to Additive Manufacturing of Technical Ceramics	
12:10-12:20	Biaxial Compression Strength Testing of Additively Manufactured Alumina Ceramics: A Novel Approach Using Custom Geometries and Size Optimization by Mayank Mishra , Ankit Bansal, Ravi Kumar N V, IIT Madras, India - OP	
12:20-12:30	Fabrication of complex-shaped ceramic bodies combining additive manufacturing and gelcasting techniques by Poly Rose , University of Hyderabad, India - OP	
12:30-12:40	Rapid and low cost fabrication of customized multilayer and multi-material LTCC electronic circuits using DLP based 3D printing by Swapnil S. Doke , Jyoti kondhalkar, Swapnil Narkhede, Pravin Bailmare, Rajendra Panband, Janardhan R, Centre for Materials for Electronics Technology (C-MET), Pune, India - OP	
12:40-12:50	Breaking Boundaries in Ceramic Fabrication: Mastering Macro to Micro Structures with DLP Technology by Aiswarya Anil , VIT, Chennai, India - OP	
	Technical Session 18: MATERIALS UNDER EXTREME CONDITIONS (MEC-3) Ultra-High Temperature Ceramics (UHTC), Ceramic Matrix Composites (CMCs), Ceramics Under High Pressure, Extreme Testing Techniques Session Chair: S S Bhattacharya	HALL-1, IC&SR
11:00-11:30	Vladimir Srdić , University of Novi Sad, Serbia KL - Epitaxial growth of doped LaMnO ₃ thin films on different single crystal substrates by polymer assisted deposition	
11:30-11:50	Ashutosh S Gandhi , Indian Institute of Technology Bombay (IIT Bombay), India IL - Realising novel crystalline, nanostructured, and glassy multicomponent oxide ceramics based on the 'high entropy' concept	
11:50-12:10	Arup Dasgupta , Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, India IL - Electron Microscopy Characterisation of Milling-induced Phase Transition in Y2O3	
12:10-12:30	Srinivasan Nedunchezian , Indian Institute of Technology Jammu (IIT Jammu), India IL -Development of Rare-Earth based Materials for Thermal Barrier Coating Applications using Indigenous Resources	
12:30-12:40	Impact of Thermal Coatings on Heat Retention in Torpedo Ladle System: An analytical study by Avick Ghosh , Tata Steel Ltd, India - OP	
12:40-12:50	Comparative Analysis of Carbon Fiber Reinforced Silicon Carbide (Cf-SiC) Ceramic Matrix Composites(CMCs) Having Multilayer Interface and Without Interface through CVI Process by I.U. Rao , DMRL, Hyderabad and IIT-Kharagpur - OP	
12:50-13:00	Deformation in Armor Ceramics under Dynamic Loading by Sampad Kumar Biswas , MNIT, Jaipur & CSIR-CGCRI, Kolkata, India - OP	
	Technical Session 19: COMPUTATIONAL AIDED MATERIALS DESIGN (CMD-1) First Principle Calculations, Computational Mechanics, Computational Thermodynamics/CALPHAD, Phase Field Modelling Session Chair: Dejan Zagorac	HALL-2, IC&SR
11:00-11:30	Felicitations of Hari Kumar KC for his contributions to the field of Computational Thermodynamics Hari Kumar KC , Indian Institute of Technology Madras (IIT Madras), India KL - Application of CALPHAD Method to Ceramic Systems	
11:30-12:00	Anuj Goyal , Indian Institute of Technology Hyderabad (IIT Hyderabad), India IL - Predicting thermochemical equilibria with interacting defects: Sr _{1-x} Ce _x MnO _{3-δ} alloys for water splitting	
12:00-12:20	Heechae Choi , Xi'an Jiaotong-Liverpool University, China IL - Statistical Mechanics and Ab Initio Modeling of Plasma-Synthesized Nanostructured Electrocatalysts	
12:20-12:40	Ryo Maezono , Japan Advanced Institute of Science and Technology (JAIST), Japan KL -Crystal structure prediction using genetic algorithm	
12:40-12:50	Thermodynamic assessment of the Ta-N-O system by Niraja Moharana , Ravi Kumar, K.C. Hari Kumar, IIT Madras, India - OP	
12:50-13:00	Kinetic solutions for thermal processing of ceramic materials by Kausik Dana , Somnath Sinhamahapatra, Mostofa Shamim, CSIR-CGCRI, Kolkata, India - OP	
	Technical Session 20: CERAMICS FOR ENERGY & ENVIRONMENT (CEE-6) Photocatalysis, Electrocatalysis, Sensors and Actuators, Devices and Components Session Chair: Silke Christiansen	HALL-3 (AMM), IC&SR
11:00-11:30	Palani Balaya , National University of Singapore, Singapore KL - Strategies for Improving Safety of Li-ion Batteries	
11:30-11:50	Sirish Namilae , Embry-Riddle Aeronautical University, USA IL - Nanoscale surface modification of fibers for improved interfacial behavior and multifunctionality	
11:50-12:10	Suryanarayana Vikrant Karra , Indian Institute of Technology Delhi (IIT Delhi), India IL - Interaction between 0D, 1D, and 2D Defects in Ionic Solids: Electrochemical and Chemomechanical Effects	
12:10-12:30	Ashish Ganvir , University of Turku, Finland IL - Unlocking Large-Scale Manufacturing of Solid-State Batteries with Advanced Thermal Spray and Laser Processing	
12:30-12:50	Anuja Datta , Indian Association for the Cultivation of Science (IACS), Kolkata, India IL - New distorted Zn and Sn based perovskite nanocrystalline oxide materials for micro energy harvesting applications	
12:50-13:00	Significant enhancement in dielectric, magnetic and magneto-electric properties of BaTiO ₃ -CoFe ₂ O ₄ composites by M. Arshad , Pravin Varade, Ajit R. Kulkarni1, IIT Bombay, India - OP	
	Technical Session 21 : ADVANCED CERAMICS FROM MOLECULAR PRECURSORS (CMP-3) Synthesis, Characterization and Properties of Precursor Derived Ceramics Session Chair: Shantanu K. Behera	Annexe Conference Hall (First Floor), IC&SR
11:00-11:20	Sreeja R , Vikram Sarabhai Space Center (VSSC), Indian Space Research Organisation (ISRO), India IL - Ceramic Adhesives, Sealants and Coatings for Space Applications	
11:20-11:40	Shotaro Tada , Indian Institute of Technology Madras (IIT Madras), India IL - Novel Lewis Acid-Base Interactions in Polymer-Derived Amorphous Si-E-N (E = B, or Al)-based Ceramic for Hydrogen Activation	
11:40-12:00	Ganesh Babu , CeraTattva Private Limited, India IL - Transforming Industries with CeraTattva's CeralInfo: High-Temperature, Heat-Resistant Labels	
12:00-12:10	Facile Solid-State Synthesis of Rare Earth Based Compounds Using Indigenous Precursors by Anant Kumar Gupta , IIT, Jammu, India - OP	
	Student Session	
12:30-12:40	SiC Based Diesel Particulate Filter & It's Role in reduction of NO _x & Particulate Matter in our Environment - An Overview by Suvodeep Jana , GCECT, Kolkata, India	
12:40-12:50	Effect of bauxite addition on the densification characteristics of Zinc Aluminate Refractory Aggregate by Shrikanta Karmakar , Minhajul Abedin, Samik Sarkar, Kaberi Das, GCECT, Kolkata, India	
12:50-13:00	Development of Ceramic-Polymer Composite Filament for Fused Deposition Modelling by Dhanush M , Nisarika J, Karthick A, Manisha Vidyavathy S, Anna Univ., Chennai, India	

Technical Session 22: TRADITIONAL CERAMICS, REFRACTORIES, GLASSES: FUTURE TRENDS (CRG-2) Session Chair: Sitendu Mandal		
11:00-11:20	Chandresh Agarwal , AEC Overseas Consultants, Green Ceramics, India IL - Circular Economics and Waste Utilisation in Ceramic Tile Manufacturing	Central Lecture Theatre (CLT)
11:20-11:30	Characterization of Granite Waste Generated in Rajasthan, India for Exploring Possibilities of Using it in Replacement of Feldspar in Glazed Vitrified Tile Body Compositions by Asha Anil , H.K. Kundaria, O. R. Tiwari, M.A. Patel, CSIR-CGCRI, Naroda Centre - OP	
11:30-11:40	Fabrication of low loss glass-ceramics for LTCC device applications by Muhammed Shafeeq P. C. , Achu Chandran and K. P. Surendran, CSIR-NIIST, Thiruvananthapuram, India -OP	
11:40-11:50	Alumina Stabilized Pickering Foam; Tailoring Zeta Potential by Anionic and Cationic Surfactant by Mr. Kaniska Murmu , IIT Madras, India - OP	
11:50-12:00	Processing of Hydrophobic Silica-Silicone oil Nano Hybrids as Floating Sorbent and a Paper Membrane for Environmental Remediation by Angitha Francy , Ragi T. M., A. Peer Mohamed and S. Ananthakumar, CSIR-NIIST, Trivandrum; Univ. of Kerala; AcSIR, Ghaziab, India - OP	
12:00-12:10	Utilisation of Fired Stoneware Crockery Waste in Stoneware Products by Savan Kumar Sharma , Deepak Sharma, Paro-mita Das, H.S. Tripathi, CSIR-CGCRI, Khurja & Kolkata, India - OP	
12:10-12:20	Effect of Ceramic Silicates in Strengthening of Red Gypsum: - A Futuristic Zero-Emission Green Material for Construction Sector by Gowri Krishna R.M. , Gokul Vel E, Peer Mohamed A and S. Ananthakumar, CSIR-NIIST, Thiruvananthapuram; AcSIR, India - OP	
12:20-12:30	Waste-derived fabrication of lightweight glass foam bricks for construction and insulation purposes by Biplab Das , H. S. Maharana, K. Biswas, K. Annapurna, B. S. Naik and A. K. Mandal, CSIR-CGCRI, Kolkata, India - OP	
12:30-12:40	Nanohardness of Alumina: Experimental and Theoretical Studies by Rajat Mittal , Payel Maiti, Ashok Kumar, A. K. Mukhopadhyay, Sharda Univ., UP & CSIR-CGCRI, Kolkata, India - OP	
12:40-12:50	Effect of particle size of Al ₂ O ₃ on densification and microstructural properties of MgAl ₂ O ₄ spinel by A. Rouf , K. P. Yagati and M. Mallik, S A Balaji, M. K. Kujur and I. Roy, RDCIS, SAIL, Bumpur & NIT, Durgapur, India -OP	
13:00-14:30	Lunch	Annexe & Dining Halls, IC&SR

Technical Session 23: ADDITIVE MANUFACTURING OF ADVANCED CERAMICS (AMC-3) (A Workshop sponsored by Scheme for Promotion of Academic and Research Collaboration (SPARC), Ministry of Education, Government of India) Session Chair: Samuel Bernard		
14:30-14:50	Nadimpalli Venkata Karthik , Denmark Technical University, Denmark IL - Optimization of ceramic slurries for additive manufacturing of high-performance solid oxide cells	TTJ Auditorium, IC&SR
14:50-15:10	Dhavanesan Ramachandran , Dhavaa Technical Ceramics, India IL - Ceramic 3D printing by DLP Technology	
15:10-15:20	Optimizing Digital Light Processing For High Fidelity Ceramic Micro To Macro Architectures by Sandeepkumar.S.G. , VIT, Chennai, India - OP	
Technical Session 24: MATERIALS UNDER EXTREME CONDITIONS (MEC-4) Ultra-High Temperature Ceramics (UHTC), Ceramic Matrix Composites (CMCs), Ceramics Under High Pressure, Extreme Testing Techniques Session Chair: M. Balasubramanian		
14:30-15:00	Zoltán Lenčéš , Slovak Academy of Sciences, Slovakia KL - Electrochemical Performance of Graphite and Graphite-Silicon Anodes Coated with Atomic Layer Deposited ZnO in Li-Ion Batteries	HALL-1, IC&SR
15:00-15:20	Manish Patel , Defence Metallurgical Research Laboratory, Defence Research Development Organisation, India IL - Ultra High Temperature Ceramic Matrix Composites: An Emerging Class of Material for Extreme Environment Applications	
15:20-15:40	Uday Kumar A. , National Aerospace Laboratory (NAL), India IL - C/C -SiC composites derived through CVI combined with LSI process for aircraft brake disc applications	
15:40-16:00	Venkata Srinu Bhadram , Krea University, Andhra Pradesh, India IL - Extreme pressure as a route to discover new metastable materials	
Technical Session 25: COMPUTATIONAL AIDED MATERIALS DESIGN (CMD-2) First Principle Calculations, Computational Mechanics, Computational Thermodynamics/CALPHAD, Phase Field Modelling Session Chair: Hari Kumar KC		
14:30-14:50	Ranjit Kumar Nanda , Indian Institute of Technology Madras (IIT Madras), India IL - Atomistic modelling and functionalization of oxides: A perspective from condensed matter physics	HALL-2, IC&SR
14:50-15:10	Dejan Zagorac , University of Belgrade, Serbia IL - Advanced Ceramic Materials: Bridging the Gap Between Theory and Experiment	
15:10-15:20	Machine Learning Guided Discovery of Stable High Entropy Oxide-NMC Materials by M J. Silvester Raju , Rithvigha C K, S. Balasubramanian, S.A. Shetty, Sarvesh B V, CHRIST (Deemed to be University), India - OP	
15:20-15:30	Mixing Anions in Metal Chalcogenides for Effective Band Gap Engineering with Temperature: Density Functional Theory and Experimental Study by Anuraag Sharma , Minyeong Je, So-Hye Cho, Heechae Choi, Univ. of Cologne, Germany - OP	
Technical Session 26: CERAMICS FOR ENERGY & ENVIRONMENT (CEE-7) Photocatalysis, Electrocatalysis, Sensors and Actuators, Devices and Components Session Chair: Santi Maensiri		
14:30-14:50	Amartya Mukhopadhyay , Indian Institute of Technology Bombay (IIT Bombay), India IL - 'Layered' transition metal oxides as electrode materials for Na-ion batteries: Composition - Structure - Environmental stability - Electrochemical behaviour/performance	HALL-3 (AMM), IC&SR
14:50-15:10	Parasuraman Swaminathan , Indian Institute of Technology Madras (IIT Madras), India IL - Transition metal oxide-based nanostructures for functional applications	
15:10-15:30	Santanu Mandal , Carborundum Limited (CUMI), India IL - Powering Progress: CUMI's Collaborative Innovations for a Sustainable Energy and Environment	
15:30-15:50	Pankaj Patro , Powder Metallurgy group, Bhabha Atomic Research Centre (BARC), Mumbai, India IL - Green Hydrogen production by High Temperature Steam Electrolysis (HTSE): Materials Challenges and Opportunities	
15:50-16:10	Satya Kishore M. , Saint Gobain Research India IL - Efficient Ceramic-Based solutions for a Sustainable future	
16:10-16:20	A path toward Co and Mn-free ultrahigh Ni-rich cathode – An inhibition of transition metal dissolution for next-generation LIBs by Abhishek Kumar , Soumyasree Jena and Partha Saha, NIT Rourkela, India - OP	
Student Session Session Chair: Manisha Vidyavathy		
14:30-14:40	Development of Chitosan-Apatite-Wollastonite Glass Ceramic Composite Coating on Titanium Orthopaedic Implants by Srividhya RV , Ashwin IK, Hiranmayee GM, Anna Univ., Chennai, India	Annexe Conference Hall (First Floor), IC&SR
14:40-14:50	Development of Permeable Pavements Using Ceramic Wastes by Thurga G , Divya K, S. Manisha Vidyavathy, Anna Univ., Chennai, India	
14:50-15:00	High-Selectivity Electrocatalytic Green Ammonia Synthesis via LiZnVO/LiVO Composite Under Acidic Conditions by Dhamotharan D , Naina Goyal, Sanjay Mathur, Ravi Kumar, IIT-Madras & Univ. of Cologne, Germany	
15:00-15:10	Magnesium Titanate as Ceramic Material by Diganta Ghosh	
15:10-15:20	Mechanical properties of additively manufactured yttria-stabilized tetragonal zirconia dental crowns by Mayur Daga , Mayank Mishra, Ravi Kumar, IIT-Madras, Chennai	
15:20-15:30	Development of UV Curable Alumina Resin for DLP 3D Printing by Padmaraj S , Shiva Sadanaa Chellam S, Manisha Vidyavathy S, Anna Univ., Chennai, India	
15:30-15:40	Development of Porcelain Composition Suitable for 3D Printing by D. Haasini , R. RaaghidHabibulla, S.B. Dhanvanth, Anna Univ., Chennai, India	
15:40-15:50	Utilizing Neyveli Overburden Clay for Synthesizing Sintered Mullite to Replace Andalusite by Alfiya U. , Arivuselvi D.P., Bharanitharan T., Srikanth P., Anna Univ., Chennai, India	

	Technical Session 27: CERAMICS FOR ENERGY & ENVIRONMENT (CEE-8) Photocatalysis, Electrocatalysis, Sensors and Actuators, Devices and Components Session Chair: Gopi Chandran R	
14:30-14:40	Utilizing Ceramic Membrane Technology for Wastewater Treatment: An Integrated One Health Perspective by Mahesh Kumar Gagrai , Vignesh M, Ganesh C. Sahoo, Swachchha Majumdar, CSIR- CGCRI, Kolkata, India - OP	Central Lecture Theatre (CLT)
14:40-14:50	Low-temperature solution-processed WO ₃ robust coatings for anti-biofouling and gas-sensing applications by R. V. Vardhan, L. L. Praveen , S. S. Karle, V. Gautam, S. Kumar, Saumen Mandal, NIT Karnataka, India - OP	
14:50-15:00	Low-Temperature Sintering of Y ₂ O ₃ -Based Ceramics with ZrO ₂ and La ₂ O ₃ Additives for Improved Optical Performance by J.D. Sharma , Nikhil Sharma, Harshit Tripathi, Punjab Engg College, Chandigarh, India - OP	
15:00-15:10	Preparation of Novel Nanoparticle Incorporated Ceramic Supported Polymeric Composite Nanofiltration Membrane for Water Treatment by Ganesh C. Sahoo , Krishanu Bhowmick, Swachchha Majumdar, CSIR- CGCRI, Kolkata, India - OP	
15:10-15:20	Role of Chelating Agents on the Synthesis of Bismuth Ferrite Nanoparticles for Photocatalytic Degradation of Organic Pollutants by Kokkiligadda Jhansi , and Parasuraman Swaminathan, IIT-Madras, India - OP	
15:20-15:30	Development of Electron beam physical vapor deposition of Fe ₂ AlB ₂ alloy by A. Madhubala , S. G. K. Manikandan, R. U. Rani, K. Jayasankar, M. Kamaraj, IIT Madras, IPRC, URSC, CSIR-NIIST, India - OP	
15:30-15:40	Enhanced Corrosion Resistance of Rare Earth-Doped Magnesium Hexaaluminate Pellets under Calcium Magnesium Alumino Silicate Salt Conditions by Anusha Sekar , Milan Prachoviansky, Amirhossein Pakseresht, Univ. of Trenčín, Slovakia - OP	
15:40-15:50	Characterization of Flame Synthesized Doped Lanthanum Calcium Aluminium Manganite (LCAM) by Ritendu Ganguly , Santanu Mandal, S.S. Bhattacharya, IIT-Madras, Chennai & CUMI, Hosur, India - OP	
15:50-16:00	Performance Analysis and Optimization of SiGe-based Thermoelectric Generators for Commercial Waste Heat Recovery by Kunal Kishore , Tanmoy Maiti, IIT- Kanpur, India - OP	
16:00-16:30	Tea Break	
	Technical Session 28: MATERIALS UNDER EXTREME CONDITIONS (MEC-5) Ultra-High Temperature Ceramics (UHTC), Ceramic Matrix Composites (CMCs), Ceramics Under High Pressure, Extreme Testing Techniques Session Chair: Zoltán Lenčéš	
16:30-17:00	Branko Matović , University of Belgrade, Serbia KL - Densification of boron carbide ceramics reinforced with silicon carbide fibers	TTJ Auditorium, IC&SR
17:00-17:20	BV Manoj Kumar , Indian Institute of Technology Roorkee (IIT Roorkee), India IL - SiC Based Triplet Composites: Sintering, Mechanical Behavior and Electrical Discharge Machining	
17:20-17:30	Processing of UHT-CMC through low temperature hot pressing and polymer pyrolysis reaction by M. Stalin , A. Udayakumar, L. Rangaraj, S. Kumaran, CSIR-NAL, B'lore & NIT, Tiruchirapalli, India - OP	
17:30-17:40	Joining of C/SiC Composites to Ti6Al4V Alloy Using Ti-In-Cu-Ag Braze Alloy for Satellite Propulsion Applications by Anurag Kamal , VSSC, ISRO, Thiruvananthapuram, India -OP	
	Technical Session 29 : MATERIALS UNDER EXTREME CONDITIONS (MEC-6) Ultra-High Temperature Ceramics (UHTC), Ceramic Matrix Composites (CMCs), Ceramics Under High Pressure, Extreme Testing Techniques Session Chair: Peter Tatarko	
16:30-16:40	Innovative way of developing near net shaped carbon fiber preform for Cf- SiC composites by SV Rajesh , M Girish Kumar, B Kanakaiah, VV Bhanu Prasad, AR James, K Gopinath, DMRL, Hyderabad, India - OP	HALL-1, IC&SR
16:40-16:50	Design and development of C/SiC based hot structures with stiffeners for thermo-structural applications by Sandeep Kumar K P , VSSC, Trivandrum, India - OP	
16:50-17:00	Novel multi-functional low-temperature fabricated porous Si ₃ N ₄ -SiC composites for high-temperature applications by Siddharth , Siddhartha Roy, IIT- Kharagpur, India - OP	
17:00-17:10	Effect of increased intra-bundle spacing on mechanical behaviour of Cf- ZrB ₂ -SiC ultra-high temperature ceramic matrix composites produced by slurry infiltration and hot pressing by Adarsha Ranjan Mishra , IIT Kharagpur, India - OP	
17:10-17:20	Development of High Shear Strength C/SiC Pins For Joining of CMCs by P. P. Shyin , VSSC, Thiru-vananthapuram - OP	
17:20-17:30	Development of Zeolite NaA-rGO Composite as a Superior Electrode Material by Tathagata Sardar , Navya Rani M, Kunal Roy, Rita Joshi, Dinesh Rangappa, VTU-CPGS, Karnataka; Nagarjuna Coll of E&T, Karnataka; & IIT-Roorkee, India- OP	
	Technical Session 30 : MATERIALS UNDER EXTREME CONDITIONS (MEC-7) Ultra-High Temperature Ceramics (UHTC), Ceramic Matrix Composites (CMCs), Ceramics Under High Pressure, Extreme Testing Techniques Session Chair: M R Ajith	
16:30-16:50	Karthiselva NS , Carborundum Universal Limited (CUMI), India IL - Advanced ceramic materials manufacturing for aerospace, abrasives and refractory industrial applications	HALL-2, IC&SR
16:50-17:10	Lalith K Bhaskar , Max-Planck-Institut für Eisenforschung GmbH, Germany IL - High strain rate nanoindentation – instrumentation and protocols	
17:10-17:20	Structure-property correlation of CVI processed carbon fiber reinforced silicon carbide (Cf-SiC) composite having needle-punched preform architecture by Jyoti Prakash Beura , IIT Kharagpur - OP	
17:20-17:30	Effect of PyC Coating Temperature on Mechanical Properties of 3D C-fibre Reinforced SiC Ceramic Matrix Composite (CMC) by Ravi kumar , Sumona Khanra, Rohit kumar, Soma Hansda, Sumantra Basu and S.Gangadharan, CSIR-CGCRI, Kolkata, India - OP	
17:30-17:40	Evaluating ablation mechanisms and morphology of in situ synthesized ZrB ₂ composites with SiC by Jyoti , Vinay Kumar Singh, Laura Silvestroni, CNR-ISSMC Faenza, Italy & IIT BHU, Varanasi - OP	
17:45-18:15	Valedictory Function	TTJ Auditorium, IC&SR