13.4	5-15.45 Parallel Session – 1A	23.08.2023			
	Design Aspects on Deformation and Failure				
	Session Chair: U. Parthasarath	าง			
Invited Talk	Thermal Hydraulic aspects Governing the Structural Design of FBR Comp. U. Parthasarathy, Indira Gandhi Centre for Atomic Research, Kalpakkam	onents			
IC2023025	Direct Displacement-Based Design Approach on LRB installed RC Frame, Channabasaveshwar Chikmath, Chikmath Channabasaveshwar, Sandip A. Sardar Vallabhbhai National Institute of Technology, Surat.	. Vasanwala.			
IC2023061	TZM Alloy Job Carrier for High Temperature Vacuum Furnace, Abhimanyu Bhardwaj , S. Singh, A.P.Singh, A.S. Padiyar, N.S. Yadav, Abhay Raja Ramanna Centre for Advanced Technology, Indore.	Kumar G. Mundra.			
IC2023190	A new approach to evaluate Ramberg-Osgood parameters for SS316LN us Sanjay Pandey , M.K.Samal, Sajish S.D. Homi Bhabha National Institute, Mumbai.	ing different types of specimens,			
IC2023223	Operating Experience of Snubbers in Indian Pressurized Heavy Water Read Rahul Mittal, H. K. Sonar , Lalit Sharma , A. Sharma , Braham Parkash. Nuclear Power Corporation of India Ltd., Mumbai.	ctors,			
IC2023265	Nuclear End-Shield Transportation using Rotating Fixture- an Engineering Vikram Sehgal, Dipesh Goyal, Rajesh Nakarani. Nuclear Power Plant Equipment Business Unit, L&T-HE, Hazira.	Innovation,			

13.45-15	13.45-15.45 Parallel Session – 1B 23.08.2023 Experimental Studies on Deformation and Failure			
	Session Chair: Krishna N. Jonnalagadda			
Invited Talk	Fracture Toughness of Freestanding Plasma Sprayed Yttria Stabilized Zirconia Coatings via In Situ Tensile Experiment vited Talk **IIT Bombay, Mumbai**			
IC2023197	Fatigue Crack Initiation on Prototype Pipe Bends, Suresh Kumar R, B. K. Nashine . Indira Gandhi Centre for Atomic Research, Kalpakkam.			
IC2023083a	Effect of Hydride Morphology on Fracture Behaviour of Zr-2.5%Nb Pressure Tube Material, Rishi Kumar Sharma, A. Gopalan, R.N. Singh, D. Bhachawat, and S.M. Ingole. Nuclear Power Corporation of India Limited, Mumbai.			
IC2023104	Evaluation of fracture resistance behavior of Alloy 690 material upto 1000°C, Pankaj Kumar Sharma, M. K. Samal, A. Syed, J. Chattopadhyay. Homi Bhabha National Institute, Mumbai.			
IC2023187	Fracture investigation at 300°C on carbon-steel and stainless-steel pipes of NPPs under cyclic loads, M.K. Sahu, S.K. Gupta, Suranjit Kumar, P.K. Singh, M. Saravanan, S. Vishnuvardhan, A. Ramachandra Murthy, S. Parivallal Bhabha Atomic Research Centre, Mumbai.			
IC2023323	Use of Small punch test for evaluating tensile properties of neutron irradiated steels, *Aishwary Vardhan Pandey*, V. Karthik , Shaik Abdul Rahman, Ashish Kolhatkar, Divakar R. *Homi Bhabha National Institute (HBNI), Kalpakkam.			

13.45-15.	45 Parallel Session – 1C	23.08.2023
	Deformation and Failure aspects of Nuclear Materials	
	Session Chair: S.K. Acharyya	
Study on Master curve in Ductile to Brittle Transition Temperature for the 20Mn Mo Ni55 steel - Experiment and Simulation S.K. Acharyya, Jadavpur University, Kolkata		
IC2023116	Transferability of Crack Growth Resistance Curves from Cruciform Bend Specimens to Reactor Pressure Vessel, Thamaraiselvi Kumaresan, S. Vishnuvardhan. Academy of Scientific and Innovative Research (AcSIR), Ghaziabad.	
IC2023213a	Study of Mechanical Properties of RPV Base and Weld Material Using SPT Technique, Priti Kotak Shah , Ganesh Nigudage, J. S. Dubey, P. P. Nanekar and Vivek Bhasin. Bhabha Atomic Research Centre, Mumbai	
IC2023322	Embrittlement of Cr-Mo-V-Ni steel for reactor pressure vessel applications under in-situ hydrogen electrochemical charging, Gopal Sanyal, Arpan Das, Shreyas Wankhede, Chiradeep Gupta, Ram Niwas Singh. Bhabha Atomic Research Centre, Mumbai.	
IC2023316	Novel use of three-point bend test for determining the threshold stress for hydride reorientation in Zr-2.5Nb pressurable tube material, Narayana Murthy Thatavarthi, Smit Patil, A.Sarkar, R.N.Singh. Bhabha Atomic Research Division, Mumbai	
IC2023349	Effect of Strength on the Fracture Behavior of Zr Alloys Containing Radial Hydrides, Arvind Kumar Bind , Avinash G., Saurav Sunil, R. N. Singh. Bhabha Atomic Research Division, Mumbai	

13:45-	15.45 Parallel Session -	- 1D 23.	23.08.2023		
	Computational Fracture Mechanics				
	Session Chair: Shyam M.	Keralavarma			
Invited Talk	Recent advances in the local approach to ductile fr Shyam M. Keralavarma, IIT Madras, Chennai	acture			
IC2023046	Simulation of crack propagation in piping componer Nitin Khandelwal, A. Ramachandra Murthy, S. Vishi CSIR-Structural Engineering Research Centre, Taram	nuvardhan, M. Saravanan .			
IC2023102	Shape and Distribution Effect of Secondary Void on Alok Dwivedi, I. A. Khan, J. Chattopadhyay. Homi Bhabha national institute, Mumbai.	the Path Followed by Ductile Crack,			
IC2023183	Microstructure-sensitive modelling of rate and temperature. Akash Gupta, Aakash Chaudhary, Ushasi Roy. Department of Mechanical Engineering, IIT Kanpur.	perature dependent fracture of metal	s and alloys,		
IC2023269	Numerical investigation on low velocity impact beha Rajagurunathan Madasamy, Raghu V. Prakash . Indian Institute of Technology Madras, Chennai.	avior of CFRP laminates,			
IC2023305 Effect of Damage Removal and Filling on Repair Efficiency of Patch Repaired Composite Laminates: A Numerical Study, A. M. Sreenath, Raghu V. Prakash. Mechanical Engineering Department, Indian Institute of Technology Madras, Chennai.		aminates: A			

16.00-17.4	5 Parallel Session – 2A 23.08.202	23			
	Welding and Residual Stress				
	Session Chair: Richard Moat				
Invited Talk	Good Practice Residual Stress Characterisation of Complex Structures and Components Invited Talk Richard Moat, Open University, United Kingdom				
IC2023242	Methodology for predicting weld bead geometry in hot wire TIG welding based additive manufacturing, Krishna Kumar Yadav, Hemant Kumar, C. R. Das, K.G. Pradeep. Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute, Kalpakkam				
IC2023020	Effect of laser hardening and post hardening shot peening on residual stress evolution in X5CrNiCuNb16-4 steel for steam turbine blade applications, Pavan A.H.V, Somnath Nandi, Amit Kumar, M. Swamy. Bharat Heavy Electricals Limited, Vikasnagar, Hyderabad.				
IC2023310	Experimental and Numerical Analysis of Welding Thermal Cycles and Residual Stress in 316LN SS and Grade 91/316LN SS Weld Joints, **Anoop Pillai.** H. C. Dey, Jayadeep U.B., Vineesh K. P., D. Sharath, M. Menaka, S. Arun Kumar, S. Mahadevan, B. Venkatraman. National Institute of Technology, Calicut.				
IC2023372	Residual stress and Microstructural evolution of 18Ni Maraging Steel Weldment using ICME Approach, Vinoth Ammasi, Sridhar Rajagopalan. ESI Software India Pvt. Ltd, Bangalore.				
IC2023233	A study on the effect of weld repair on the structural margins of a solid rocket booster hardware Sreerag MN , Siva Kumar G, Kiran Kumar B, Thomas Kurian, Vinod Kumar N. VSSC/ISRO, Thiruvanathapuram.				

16.00-17.4	5 Parallel Session – 2B 23.08.2023				
	Structural Integrity of Aerospace Components				
	Session Chair: Benudhar Sahoo				
Invited Talk	Fatigue Failure of Aero-Engine Components Benudhar Sahoo, CEMILAC, Bangalore				
IC2023037	Sensitivity analysis of matrix decomposition in composite laminates under lightning strike through multi-physical finite element simulations **Ravindra Singh Chahar**, J. Lee, Tanmoy Mukhopadhyay.** Indian Institute of Technology Kanpur.				
IC2023065	Damage Tolerance Behavior of Stiffened Crown Panel of a transport aircraft fuselage Mohan Kumar M, Srinivas Prabhu G. Structural Integrity Division, CSIR-National Aerospace Laboratories, Bangalore				
IC2023157	Modelling and Simulation of Wheel hub of an Aircraft Krishnalok Singh, Pratik Ramesh Sakpal, CSIR-National Aerospace Laboratories, Bengaluru.				
IC2023244	Enhancement of Damage Tolerance Capability of an Aircraft Wing Spar Subjected to mini-TWIST Spectrum Fatigue Loads Srinivasan N, N Nagarajappa, M Mohan Kumar, CM Manjunatha, Raghu V Prakash. CSIR-National Aerospace Laboratories, Bangalore.				
IC2023302	Thermo Structural Analysis of Nozzle Sub-assembly with Composite Liners for GAGANYAAN Mission, Arun Kumar M , Ajith M, Kiran Kumar B, Thomas Kurian, Vinod Kumar N. VSSC/ISRO, Thiruvanathapuram.				

16.00-17.45	5 Parallel Session – 2C	23.08.2023			
	Deformation and Fracture of Novel & Advanced Materials				
	Session Chair: R. Lakshmi Narayan				
Invited Talk	Fracture Toughness of Bulk Metallic Glass Composites with Ductile Reinforcements R. Lakshmi Narayan, IIT Delhi				
IC2023029	A defect-tolerant design approach to predict the tensile and fatigue performance of alloys with manufacturin Surajit Kumar Paul , Indian Institute of Technology Patna, Patna.	g defects,			
IC2023081	Fatigue Crack Growth Rate Behavior of a Additively Manufactured Nickle Based Superalloy, **Anilchandra A.R., S Bharath Bhushan,N V Sreekanth, D Santhosh, J Sharana Basavaraja, Shylaja Srihari, C M Manjunatha. **B.M.S. College of Engineering, Bangalore.**				
IC2023263	Exploring the influence of deformation temperature on the microstructure of CoCrFeMnNi High Entropy Alloy Rajasekhar Reddy Seelam, VNIT Nagpur, Nagpur.	',			
IC2023051	Effect of structural parameters on Collapse Modes of Aluminium Honeycomb core sandwich structure under la Suresh Kumar J, Kalaichelvan. College of Engineering/Anna University, Chennai.	bending test,			
IC2023036	Analytical Assessment of Composite L Angle Strength under Internal Fuel Pressure in Composite Wing, **Amardeepa KCS**, Polagangu James, Byji Varughese, **CSIR**, National Aerospace Laboratories, Bangalore.				

16.00-17.45 Parallel Session – 2D					
	Deformation and failure aspects of Engineering Components				
	Session Chair: J. B. Singh				
Invited Talk	Fish-mouth failure of an ammonia cracker tube of Alloy 625 J. B. Singh, BARC Mumbai				
IC2023040	Determination of critical material damage parameter for Indian clad tube burst behavior under severe accident scenario, **Ather Syed, M.K. Samal, J. Chattopadhyay.** *Homi Bhabha National Institute, Mumbai.**				
IC2023207	Mechanical Behavior of Advanced Steam Generator Tubes under U-Bend Fabrication, Krishnendu Pal, R Suresh Kumar, N. Harsha. Nuclear Fuel Complex, Hyderabad.				
IC2023172	An assessment of delayed hydride cracking initiation in PHWR pressure tubes using in-house ZIPTAS code, Deeprodyuti Sen, I.A.Khan, R.Rastogi, J.Chattopadhyay. Bhabha Atomic Research Centre, Mumbai,				
IC2023113	Fitness for Service of a Mounded Vessel with Laminations in Construction Plates, Pradeep Appaji Jadhav, Rohit Rastogi. Bhabha Atomic Research Centre, Mumbai.				
IC2023094	Simulation Strategy for discontinuity stress estimation with mismatch and angular profile misalignment in metallic shells, Vinod G , Manash Kumar Bhadra, VSSC/ISRO, Thiruvanathapuram.				

16:00-18:	15 Parallel Session – 3A	24.08.2023			
	Creep and Fatigue Crack Growth				
	Session Chair: N. Narasaiah				
Invited Talk	Creep Fatigue Crack Growth (CFCG) Studies on P91 Steel N. Narasaiah, NIT Warangal				
IC2023257	Effect of Primary Creep and Secondary Creep on Creep Crack Growth of SS316LN Avinash Kumar Mishra , Avinash Gopalan, M. Nanibabu, V.Karthik, Abhishek Tiwari . Indian Institute of Technology, Ropar				
IC2023110	Fatigue crack growth behavior in Alloy 800 Steam Generator Tube Material Somasekhar Reddy, S.V.R. Rao, B. Kamalesh Kumar, R.K. Chaube, K. Kapoor. Nuclear Fuel Complex, Hyderabad.	K			
IC2023133	Experimental Characterization of Fatigue Crack Growth Rate Behaviour of Alloy 617 Base and Weld Ma M. D. Rakim, P. Basu, M. Jana, S. Chaudhury, S. K.Acharyya, M. Nani Babu, A.Moitra. Jadavpur University, Kolkata	iterial,			
IC2023158	Effect of Sodium Insulation interaction on FCG Behavior of SS316 (N) Weldment, Ch. SSS Avinash, M. Nanibabu, E. Hemanth Rao, Sanjay Kumar Das, A. Moitra, D.Ponraju, B.Venkatrama Indira Gandhi Centre for Atomic Research, Kalpakkam.	an.			
IC2023304	Effect of Hold Time on CFCG of P91 steel at Force Ratio 0.1 and Temperature 600° C, Challa Krishna Teja, Kiranchand G.R, Chitresh Chandra, B. Shrinivasarao, M. Nani Babu, S.A. Krishnan, NIT Warangal, Telangana.	A. Moitra, N. Narasaid			
IC2023347	Evaluation of Creep Crack Growth Behaviour in the Boron added Modified 9Cr-1Mo Steel Weldment: E Affected Zone, Yatindra Kumar, Avinash Gopalan, A Moitra, A Sarkar, R N Singh. Bhabha Atomic Research Centre/ Homi Bhabha National Institute, Mumbai.	Base Material and Hea			
IC2023052	Fatigue Crack Growth Rate predictions in Nickel based Superalloys using Machine Learning Algorithms, Mahesh S, Anil Chandra A. R., Ravi Kumar L, Manjunatha C. M. B.M.S. College of Engineering, Bangalore.				

16	5.00-18.15	Parallel Session – 3B	24.08.2023		
	Fracture and Damage Assessment				
		Session Chair: P.C. Chakraborti			
Invited Talk	Determination of Ductile Teari P.C. Chakraborti, Jadavpur Uni	ng Resistance Parameter of Interstitial-Fro	ee Steel Sheet		
IC2023277	Influence of Temperature on Te Blades in an Aero-Engine, Benudhar Sahoo . CEMILAC, Bangalore	ensile Behavior and Deformation Mechanis	m of a Nickel base Wrought alloy used for Turbine		
IC2023024		ethod to assess in-Calandria corium retention, Onkar S. Gokhale, Deb Mukhopadhyay, J. e, Mumbai.			
IC2023113	Structural Reliability of Pressure Pradeep Appaji Jadhav, Rohit R Bhabha Atomic Research Centre				
IC2023107		aging-induced nano-micro scale carbon fik Ianjusha M. Thawre, Atul Ballal . galore	per/epoxy interfacial debonding,		
IC2023161	Applicability of Critical Fracture Sanjib Acharyya, S. K. Acharyya Jadavpur University, Kolkata.	Energy, Gfr as a Fracture Criterion for Var	ying Temperature,		
IC2023281	1	molten lithium cadmium alloy with quartz, h, Nibedita Samanta, A. Lali, M. Kakkum Pe c Research, Kalpakkam.			
IC2023077	Structural Integrity Assessment Vijay Chaudhry, .K. Chaudhary, Nuclear Power Corporation of In	, -	Vater Reactor,		

16:00-18.15		Parallel Session – 3C	24.08.2023		
	Integrity Assessment				
		Session Chair: R.C. Prasad			
Invited Talk		t happen, they are caused: Integrity Assessment of Weld C. Prasad, Pillai HOC College of Engineering & Technology,	-		
IC2023204	Shear Buckling of FBR Ro Ashok Kumar, S.D. Sajish Indira Gandhi Centre for				
IC2023156	1	or Component Integrity Test, J, Suranjit Kumar, Swati A. H., Rajesh B., Valli K., Wadnerka O Centre, Mumbai.	ar A.		
IC2023211	Heads from External Loa	Dipak, K. Gurumurthy, S.V.R. Subramanyam.	l Stresses in Nozzles in Shells and Formed		
IC2023209	Santhoshkumar R, Roha	al integrity of aluminium alloy AA 6061 Water Tank used in n Nair, Aji Kumar A, Mankatiya Vittal Naik, Suresh Kumar arch Organisation, Thiruvananthapuram.			
IC2023210	"	an In-Service LPG Pipeline Featuring Dent Defect at a High s Achary, Sreeshma P. U., S.V.R. Subramanyam. Gurugram	way Crossing,		
IC2023274		ssment and Fatigue Evaluation of Feed Water Nozzle of 70 Parkash, Vikram Sehgal . rat.	OOMWe PHWR Steam Generator,		
IC2023317	Ran Vijay Kumar, Ashish	iation induced Embrittlement in 3.5%Ni Steel, Kolhatkar, Sathyanarayanan S, V. V. Jayaraj, A. Vijayaraga Atomic Research, Kalpakkam.	avan, V. Karthik, Shaji Kurien, Divakar R		

16:00-18:15		Parallel Session – 3D	24.08.2023
		Failure Prevention and ISI	
		Session Chair: A. John Arul	
Invited Talk	A. John Arul,	of Welded Structures and its application to ISI or Atomic Research, Kalpakkam	in Sodium Cooled Fast Breeder Reactors
IC2023179	Preetha Rajappan , Kalp	building through strategic repair, pana Kumari, Mahesh Kumar, Sudipta Chattopa r Atomic Research, Kalpakkam.	dhyaya, N.Suresh .
IC2023294	at Nuclear Fuel Comple	x, I ,Ahmed, S. Singh, Rupesh Kumar, K. Sunder Kri. . Chaube.	g of Alloy 800 Steam Generator Tubes from ID side shna, S.V. Ramana Rao,
IC2023160		nt of Ballooning of Pressure Tube under Severe A al, Rohit Rastogi _, V. K. Singh, J. Chattopadhyay . ah Centre, Mumbai	Accident Conditions,
IC2023163	Design of Laser Based Sag Measurement Tool–head (LaBSMarT) for inspection of pressure tube of PHWR, **Ashutosh Pratap Singh*, Saranjeet Singh*, A.Bhardwaj, A.S. Padiyar,S.K. Tiwari, Sarvendra Singh*, M.P.Kamath*, N.S. B **Abhay Kumar*, Girdhar Mundra*. **Raja Ramanna Centre for Advanced Technology, Indore*.		·
IC2023175	Arun Sundaram B, P. Bis	sensing and packaged fiberbragg gratings for mo swas, Voggu Srinivas, S. Parivallal, Nandini Basu ring Research Centre, Chennai.	
IC2023096	Lakshmi K, K.Lakshmi, \	ecomposition Techniques for Modal Identificati /oggu Srinivas. ring Research Centre, Chennai.	on of Bridges using a Drive-by Vehicle,
IC2023357	underground waste tan Sanatana Maharana, D		n components for safe handling and installation at that Kumar.

10:45-12.45		Parallel Session – 4A	25.08.2023
		Deformation Modelling	
		Session Chair: Praveen Kumar	
Invited Talk	Effect of Joint Length Sca Praveen Kumar, IISc Ban	le on Creep Deformation of Sn-Rich Dissimilar Metalli	ic Joints
IC2023017	Developments for impro- Punit Arora, Suneel K. Gu Bhabha Atomic Research		nts under multiaxial loading
IC2023054	Theory.	rolled creep fatigue interaction cycle of Nickel based su nana Rao C , Sri Krishna Sudhamsu , Perumal Chellapan logy Madras, Chennai.	
IC2023138	Kulbir Singh, C. Robertso	plasticity model to address temperature dependent pl n . Atomic Research, A CI of Homi Bhabha National Institut	
IC2023176	Neha Mehani . Samir Cha	low cycle fatigue behavior of 321 austenitic stainless s ndra Roy, Anshu Dhar Jayal. logy Ropar, Rupnagar, Punjab.	teel
IC2023227	Effect of plastic anisotrop Krunal Morey, Shyam M. Indian Institute of Techno		
IC2023325	J. Veerababu, A. Nagesh	undary from <110> Asymmetric tilt grain boundaries in a , Vani Shankar . stitute, Mumbai/Indira Gandhi Centre for Atomic Resec	

	10.45-12.45	Parallel Session – 4B	25.08.2023		
	Microstructural Aspects of Deformation and Failure				
		Session Chair: Nagamani Jaya Balila			
Invited Talk	Deformation Mechanisms (Nagamani Jaya Balila, IIT Bombay, Mumbai	of Additively Manufactured Cobalt-based Supera	lloy Mar-M 509		
IC2023043		emperature on the mechanical properties and hig annathan, Ramesh Bojja, M. Sujata, C.M. Manjun boratories, Bangalore			
IC2023086	Grain Boundary Precipitation and Cracking Failure of Alloy 617 during Cold Working: Correlation Study, Rupesh Kumar , Sumita Santra, I. Kalpana Nayak, K. Sunderkrishna, S.V. Ramana Rao, B. Kamalesh Kumar, R.K. Chaube, K. Kapoor. Nuclear Fuel Complex, Hyderabad				
IC2023103	Thermal aging effects on Tensile and Metallurgical characteristics of Stainless steel weld joint, Cyril Reuben Raj, Suranjit Kumar, Kamlesh Chandra, P. K. Singh. Bhabha Atomic Research Centre, Mumbai.				
IC2023130	Failure analysis of non-rotating control rod of a helicopter, Venkatesh V, K. Raghavendra, M.Madan, M.Sujata, S.K.Bhaumik. CSIR-National Aersopace Laboratories, Bangalore				
IC2023240	Strengthening by primary, secondary and tertiary gamma prime in 720Li alloy, Jitendra Kumar Sahu, P. S. M. Jena. CSIR-National Metallurgical Laboratory, Jamshedpur.				
IC2023177	Development of a nickel base disk super alloy with higher temperature capability, P.S. Manoranjan Jena, J. K. Sahu. Academy of Scientific and Innovative Research, Ghaziabad.				

	10.45-12.45	Parallel Session -4C	25.08.2023		
	Digital Image Correlation in Deformation and Damage Mapping				
		Session Chair: S. Raviprakash			
Invited Talk	Fracture Process Zones in E S. Raviprakash, Pyrodynamics, Bangalore	BARCOM – BARC Nuclear Containment Test N	lodel		
IC2023145	Engineering micro-strain loc Soudip Basu , Nagamani Jay Indian Institute of Technolo		ir hole expansion behavior,		
IC2023205	Study of cyclic plastic zone of the prakash Bharadwaj, Sunee Homi Bhabha National Inst.		ge Correlation system,		
IC2023273	=	neity and T-Stress on Fracture Toughness in Quanthagopalan, Krishna Jonnalagadda. Gy Bombay, Mumbai.	uasi-Brittle Composite Materials,		
IC2023287	Anup Kulkarni , Bibek Das, F	ending Creep Behavior of Additively Manufact Praveen Ravanappa, Dheepa Srinivasan, Vikran and Development Center, Bangalore	••		
IC2023344	Abdul Rahman, Ashish Kolh	ormation using Digital Image Correlation, natkar, V. Karthik , M. Nani Babu, Divakar R . itute (HBNI)/Indira Gandhi Centre for Atomic Ri	esearch, Kalpakkam.		

10:45-12:45		Parallel Session – 4D	25.08.2023		
	Fatigue and Creep-Fatigue Interaction				
		Session Chair: Kartik Prasad			
Invited Talk	Kartik Prasad,	nent of Fatigue Variability Behaviour: Progress in earch Laboratory Hyderabad	n Probabilistic Life-Prediction,		
IC2023058	Chinnam Sivateja , Naga Ch	ect of chemical milling and anodising on the high cycle fatigue life of 2024-T3 aluminium alloy innam Sivateja, Naga Charan KV., Ramesh Bojja, Jagannathan N, Manjunatha C M . IR-National Aersopace Laboratories, Bangalore			
IC2023117	Asymmetric Stress Cyclic Lo Rupendra Singh Rajpurohi CSIR-National Metallurgica		eel at 550°C		
IC2023146	Assessment of Ratcheting i Rosy Sarkar, Bhuwan Chan Indira Gandhi Centre for At	•	litions		
IC2023268	Influence of Wave shape on the Creep-Fatigue Interaction Behaviour of 316LN stainless steel Kannan R, Vani Shankar and A. Nagesha. Indira Gandhi Centre for Atomic Research, Kalpakkam.		5LN stainless steel		
IC2023276	Influence of Temperature R Isaac Samuel, Vani Shanka Indira Gandhi Centre for At	_	our of Alloy 617M Forge		
IC2023329	Turbine Engines Krushna Kumbhar, Dibyend	le Fatigue Behaviour of Recycled CM247 LC Ni-Ba du Chatterjee, Kartik Prasad, D.K. Das. varch Laboratory, Hyderabad.	ase Superalloy for Aerofoil Castings of Gas		

	15.15-17.00	Parallel Session – 5A	25.08.2023
		Corrosion, Coatings and Wear	
		Session Chair: G. Raghava	
Invited Talk	Corrosion Fatigue Experiment G. Raghava, Nitte Meenakshi Institute of	ntal Studies on Structural Steels and Components Technology, Bengaluru	
IC2023095	Sarath Chandran Nair S , Kris	rier Coating For Semi-Cryogenic Engine Thrust Chamber shnajith Jayamani [,] Sai Teja Dasari , Vinayaravi R , Venka Research Centre, Thiruvananthapuram	-
IC2023167		kide coatings over mild steel specimens under superhea y Varghese , Shyam Krishna, Jeevan Sree, Jithu Binil, Mul Pering, Kanjirappally, Kerala	
IC2023239	Effect of cathodic protection Vivek Srivastava, B.Basu, N.I Indian Institute of Technolog		igue life of a Naval grade shipbuilding steel,
IC2023300	-	pefficient of sliding surface contact pairs through tribolo at YV, M. Arvinth Davinci, Ashish Kumar, N.L.Parthasarat	•
		ute, Mumbai/ Indira Gandhi Centre for Atomic research,	Kalpakkam
IC2023367	Corrosion Assessment Mode Venkataraman Chellappan, JGC Holdings Corporation, Ch	l and Material Selection for Offshore Industry,	

15.1	5-17.00	Parallel Session – 5B	25.08.2023		
	Deformation and failure aspects of Engineering Materials				
		Session Chair: Abhishek Tiwari			
Transition of a Crack in Differently Deforming Materials (Dissimilar Metals Welds and Polymer Com Invited Talk Creep Abhishek Tiwari, IIT Ropar			etals Welds and Polymer Composites) under		
IC2023221	T. Sakthivel, M. Vasua	angle on P92 steel joint integrity under creep cond levan. for Atomic Research, Kalpakkam.	dition,		
IC2023280	J Ganesh Kumar, G.V.	operties of thermally aged 316LN SS with varying n Prasad Reddy, A. Nagesha. For Atomic Research, Kalpakkam.	nitrogen content,		
IC2023337	Krishna Guguloth, Cho	havior of Su263 alloy at elevated temperatures andru Fernando D, Neeta Paulose, J K Sahu. rgical Laboratory, Jamshedpur			
IC2023213b		in Zr-2.5Nb Pressure Tube Under Hoop Stress Loa sh Sushibine, Saee Jagtap, Akanksha Samanta, J. S. rch Centre, Mumbai	<u>.</u>		
IC2023083b	Rishi Kumar Sharma,	from an axial through wall crack in Zr-2.5%Nb PTs Vipul K Shiralkar , Hemant Kalra, S SKhandave, DBl ation of India Limited, Mumbai.			

15.15-17.00		Parallel Session – 5C	25.08.2023		
	Experimental and Simulation Studies on Structural integrity				
	Session Chair: Viswanath Chinthapenta				
Invited Talk -1	Role of anisotropy on the ductile fracture: Void growth, nucleation, and coalescence Viswanath Chinthapenta, IIT Hyderabad				
Invited Talk -2	Numerical and Experimental Study on Nugget Size and Residual Stresses in Resistance Spot WeldJoints of AISI 1008 Steel Sheets Jeevan Jaidi, BITS Hyderabad				
IC2023059		n the Strength of Bi-adhesive Lap Joint, wami , L. Chikmath, Department of Civil Engineer	ring, KLS Gogte Institute of Technology,		
IC2023151	Tarkesh Singh, Kulbir Sin	sses (unequal) in estimating Low Cycle Fatigue lif ngh [.] Atomic Research, A CI of Homi Bhabha National	,		

15.15-17.00		Parallel Session – 5D	25.08.2023
		Fracture Toughness and Dynamic Fracture	re
		Session Chair: S. Vishnuvardhan	
Invited Talk-1	Fracture Studies on Rea S. Vishnuvardhan, CSIR-SERC, Chennai	ctor Pressure Vessel Steel under Pressurised Therma	al Shock
Invited Talk-2	Numerical Studies on the A.V.S. Siva Prasad, IIITDM, Kanchipuram	e Impact and Blast Response of Polyurea Coated Pla	ites
IC2023121		ts in impact machine and implementation in simulati Acharyya, Arka Banerjee , D.K Joshi, kata	on of Charpytests,
IC2023251	_ ·	on of Anisotropic Characteristics of Willow Wood und sad Senapati, C Lakshmana Rao	der High Strain Rate,
IC2023262	' ' '	ysis of Reinforced Column Subjected to Shock wave lo rath Parsi, Prince Jeyalal Lazar Technology, Chennai	oading.