Programme Schedule FFIA 2021

DAY 1: 9 Nov 2021

9:00 - 9:55am	Inaugural Function			
Technical Session 1		Chaired By: K.K. Ray		
10:00-10:45am	Fatigue & Fracture Behaviour of	Dr. A. K. Badhuri		
	Improved High-Temperature	Formerly-Director, Indira Gandhi		
	Materials for the Indian Fast	Center for Atomic Research,		
	Breeder Reactor and Advanced	Kalpakkam, India		
	Ultra Super Critical Power Plant			
	Programmes			
11:00-11:45am	Structural Integrity of Defence	Dr. Vikas Kumar Saxena		
	Platforms — An Integrated	Formerly -Director, Defence		
	Approach	Metallurgical Research Laboratory,		
		Hyderabad, India		
12:00 - 2:00 pm	Lunch Break			
Technical Session	2 Cha	ired By: Sandip Ghosh Chowdhury		
2:00-2:45pm	Fatigue & Fracture Mechanics:	Dr. N. Eswara Prasad		
	Retrospective & Prospective	Director, Defence Materials and		
		Stores R&D Establishment, Kanpur,		
		India		
3:00 - 3:45pm	Multi-Sensor Techniques to Study	Prof. Raghu V Prakash		
	Fatigue Damage Progression in	Indian Institute of Technology-		
	Structural Materials	Madras, Chennai, India		
4:00-6:00pm	Tea Break			
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Technical Session	3	Chaired By: S.Tarafder		
6:00-6:45pm	Failure Mechanisms of Printed	Prof. Tasnim Hassan		
	Circuit Heat Exchangers under	North Carolina State University,		
	High-Temperature Loading of	USA		
	Generation IV Nuclear Power			
	Plants			
7:00-7:45pm	Structural Integrity Issues in	Prof Ashok Saxena		
	Designing Pressure Vessels for	University of Arkansas, USA		
	Storing Gaseous Hydrogen at			
	Ultra-high Pressures			
8:00-8:45pm	A New Two-Parameter Fatigue	Prot. Daniel Kujawski		
	Crack Driving Force and its	western Michigan University, USA		
	Application to FCG Analysis			
End of Day 1 Programme				

DAY 2: 10 Nov 2021

Technical Session	4	Chaired By: Subir Bhaumik	
9:30-10:15am	Emerging NDT Technologies for	Prof. K. Balasubramanian	
	Asset Inspection Applications	Indian Institute of Technology-	
		Madras, Chennai, India	
10:30-11:15am	An Improved Indentation	Dr. J. Chattopadhyay	
	Algorithm to Characterize	Bhabha Atomic Research Centre,	
	Materials	Mumbai, India	
11:30-11:45am	Tea Break		
Technical Session 5 Chaired by : B.K. Dutt			
11:45 - 12:30 pm	Unraveling the Cause of an Aircraft	Dr. Subir Bhaumik	
-	Accident	National Aerospace Laboratories,	
		Bengaluru, India	
12:45-1:30pm	Damage Evolution During Fracture	Dr. S. Tarafder	
-	Processes	National Metallurgical Laboratory,	
		Jamshedpur, India	
1:45-2:30pm	Lunch Break		
Technical Session	6	Chaired By: Bhanu Sankara Rao	
2:30-3:15pm	Structural Integrity of 3D Printed	Prof. U. Ramamurthy	
	Metals	Nanyang Technological University,	
		Singapore	
3:30 - 4:15pm	Fracture and Fatigue issues with	Prof. K.K. Ray	
	High Entropy and Allied Alloys	Formerly -Prof, Indian Institute of	
		Technology, Kharagpur, India	
4:30 - 5:30pm	Tea Break		
Technical Session	7	Chaired By: J. Chattopadhyay	
5:30 - 6:15pm	Evaluating Failure Mechanisms in	Prof. Philippa Reed	
	Aeroengine and Turbine Blade and	University of Southampton, UK	
	Disc Materials: Effects of Service		
	Environment		
6:30 -7:15pm	Towards a New Fatigue Crack	Dr. R. Sunder	
	Growth Testing Practice That	Instron-BiSS, Moscow, Russian	
	Accounts for Load History Effects	Federation	
7:30 - 8:15pm	Aging Aircraft Systems and	Dr. A. Kumar	
	Components: Physics of Damage	Tecsis Corporation, Ontario,	
	and Failure	Canada	
End of Day 2 Programme			

DAY 3: 11 Nov 2021

Technical Session 8		Chaired By: Raghu V Prakash
9:30-10:15am	Strain Controlled LCF of	Dr. Banu Sankara Rao
	Superalloy 263 for Consideration	University of Hyderabad, India
	in AUSC Plants	
10:30-11:15am	Advances in Small-Punch-Test	Dr. B. K. Dutta
	Methodology	Bhabha Atomic Research Center,
		Mumbai, India
11:30-11:45am	Tea Break	
11:45 - 12:30 pm	Fatigue and Damage Tolerance	Dr. C. M. Manjunatha
	Evaluation of Airframe Materials	National Aerospace Laboratories,
		Bengaluru, India
12:45-1:30pm	Characterisation of Fracture	Prof. Sanjib Acharyya
	Toughness of 20MnMoNi55 Steel	Jadavpur University, Kolkata, India
	in DBT Region Through	
	Experiment and FE Simulation	
1:45-4:00pm	Lunch Break	
		Chaired by: I. Chattoraj
4:00-5:00pm	Panel Discussion and Valedictory	
	Session	
5:00 - 5:15pm	Vote of Thanks	