

## Theme meeting on “EXPERIENCES IN ENGINEERING FAILURE ANALYSIS”

The Indian Institute of Metals, Kalpakkam Chapter and Society for Failure Analysis Chennai Chapter are organizing a half-day **Theme Meeting** on “**Experiences in Engineering Failure Analysis**” on 28<sup>th</sup> **January 2021** (Thursday) via. *Vi-meet video conference* platform. Failure analysis plays an important role in design and optimization of production procedures, and in preventing recurrence of failures in industries. The outcome of failure analysis is valuable when used as a knowledge-base for change in design or material or manufacturing route leading to development of a superior product or process. In this theme meeting, it is planned to discuss role of mechanics of materials in failure / fracture under various loading conditions such as fatigue and high strain rate loading. A few case studies of post-failure microstructural investigations on nuclear materials and components will also be presented.

Link: <https://vimeet.igcar.gov.in/> • Meeting ID: 202101\_55 • Password: enq0syne

**Date: 28<sup>th</sup> January, 2021 (Time: 13:30 hrs)**

	Time	Topic	Speaker
Inaugural Session	13:30 - 13:35	Welcome address	Dr. S. Raju, AD, MCG MMG, IGCAR
	13:35 - 13:40	Presidential address	Dr. B. P. C. Rao, Project Director, FRFCF
	13:40 - 13:45	Opening remarks	Dr. Shaju K. Albert, Director, MMG & MSG, IGCAR
Session-I	13:45 - 14:15	Experimental Techniques to Study Material Response and Failure under High Strain Rate Loading	Prof. P. Venkitanarayanan IIT -Kanpur
	14:15 - 14:45	Failure Analysis during Fabrication of ODS Ferritic Steel Clad Tubes	Shri. P K Parida, SO/E, SAMS/ PMD, IGCAR
	14:45 - 15:05	Crack on HAZ of a Weld Joint in Crude Flow-line	Dr. S. Surya Prakash, NACE International, Kuwait
	15:05 - 15:15	Break	
	15:15 - 15:45	Fractography as a Tool to understand Fatigue Crack Growth Kinetics	Prof. Raghu V. Prakash IIT-Madras
Session-II	15:45 - 16:15	Microstructure - Means to understand Impending Failures in Nuclear Materials	Dr. P. Parameswaran, Head, PMD, IGCAR - Kalpakkam
	16:15 - 17:25	<b>Felicitations to Dr. P. Parameswaran</b>	
	17:25 - 17:30	Vote of Thanks	Dr. S. Athimoolakrishnan IIM & SFA

ALL ARE WELCOME THROUGH VIDEO CONFERENCE