Society for Failure Analysis
Chennai Chapter
&
Indira Gandhi Centre for Atomic Research
Kalpakkam

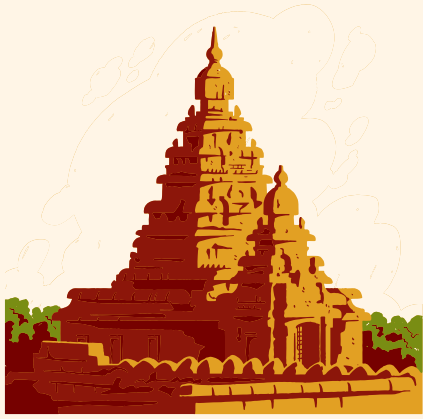
One Day Workshop on

Safety Assessment and Failure Evaluation (SAFE-2026)

SAFE-2026

Saturday, 21 November 2026

09:00 AM - 6:45 PM



IDEAL BEACH RESORT
Mahabalipuram, Tamil Nadu

The Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, is an R&D centre under the Department of Atomic Energy, Government of India. It is engaged in multidisciplinary scientific research and development focused on **sodium-cooled fast breeder reactor (FBR) technology and associated closed fuel cycle technologies.**

The Society for Failure Analysis (SFA) is a professional society comprising members from industry, scientists, and researchers who share a common interest in the **analysis and mitigation of failures across diverse engineering domains.**

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Introduction

In an increasingly complex engineering landscape, the ability to anticipate, assess, and mitigate component failures is paramount to operational success.

In recognition of this need, the SFA Chennai Chapter & IGCAR Kalpakkam, are pleased to announce a comprehensive one-day workshop on on **"Safety Assessment and Failure Evaluation (SAFE-2026)".**

SAFE-2026 will provide a unique, cross-disciplinary platform to translate cutting-edge research into practical, real-world mitigation strategies.

SAFE-2026

Intended Audience

SAFE-2026 is designed specifically for industry professionals, scientists and research scholars across diverse engineering domains, and offers a deep dive into the latest methodologies for structural and systemic failure analysis.

Themes covered in SAFE-2026

- **Safety assessment and failure analysis in the power generation sector**
- **Design against failure at high temperatures**
- **Evaluation and mitigation of failure in dynamic conditions**
- **Failure assessment/mitigation in the automobile sector**
- **Modelling and simulation for improved failure evaluation**
- **Advances in testing and characterization of failure**

Organizers

Chairman	: Dr. Anish Kumar, Director, MMG & MSG, IGCAR
Vice- Chairman	: Dr. Aniruddha Moitra, Chairman SFA Chennai Chapter
Convener	: Dr. S.A. Krishnan, Vice-Chairman, SFA Chennai Chapter
Organizing Secretary	: Dr. B. Aashranth, Secretary, SFA Chennai Chapter

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Event Schedule
Saturday 21 November 2026
Ideal Beach Resort, Mahabalipuram

9:00-10:00	**Registration & Inauguration**
10:00-10:45	***Failure evaluation in large components through mechanical testing:*** Dr. Vishnuvardhan, *CSIR-SERC, Chennai*
10:50-11:35	***Fracture mechanics under multiaxial loading:*** Dr. S. Sivaprasad, *National Metallurgical Laboratory*
11:40-12:25	***Numerical simulations of crack propagation for preventive safety-asessment***: Dr. Arulkumar Mariappan, *IIITDM Kanchipuram*
12:30-13:15	***Creep-crack growth testing for safety assessment of high temperature systems***: Dr. Pravash Chandra Chakraborti, *Jadavpur University*
13:15-14:15	**Lunch Break**
14:30-16:00	***Case studies and real-world insights from industry experts***
16:00-16:30	**High Tea**
16:30-17:15	***Failure evaluation in systems under alternating loading***: Dr. N Narasiah, *NIT Warangal*
17:20-18:20	***Understanding the ductile-brittle transition in metallic materials, and its implications on safety of steel components:*** Dr. Aniruddha Moitra, IGCAR, Kalpakkam
18:20-18:45	**Concluding / Feedback Session**

SAFE-2026

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Registration

Prior registration is needed to attend SAFE-2026. Since limited seats are available, we encourage you to communicate your interest in attending SAFE-2026 by email to *sfachennaichapter@gmail.com*



Participation benefits

- Interaction with professionals and scientists from diverse fields
- Registration kit containing course materials
- Lunch and refreshments during the workshop

Registration fee

- Individual Delegate, Rs. 4000/- (and 18% GST)
- SFA member, Rs. 3000/- (and 18% GST)
- Research scholar, Rs. 2500/- (and 18% GST)
- DAE Delegate, Fee waived (Funded by BRNS, Mumbai)

Please contact through Whatsapp:

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SAFE-2026