

# 3<sup>rd</sup> International Conference on STRUCTURAL INTEGRITY

August 23-25, 2023



**Mamallapuram, TN, India**

**Organized by**

Indira Gandhi Centre for  
Atomic Research, Kalpakkam

Society for Failure  
Analysis, Chennai Chapter



**In Collaboration with**

Indian Institute of  
Technology, Chennai

Indian Society for Non-destructive  
Testing, Kalpakkam Chapter



Indian Institute of Metals,  
Kalpakkam Chapter



Indian Structural  
Integrity Society



## About

ICONS 2023 will be the third in a series of International Conferences on Structural Integrity and will be held during August 23-25, 2023 at Mamallapuram. The conference is expected to bring together the multidisciplinary community of engineers, scientists, academicians, industrial experts, plant managers and regulatory personnel to discuss the recent fronts of development and future directions in structural integrity. The conference will be jointly organized by Indira Gandhi Centre for Atomic Research, Kalpakkam and Society for Failure Analysis, Chennai chapter in association with Indian Institute of Technology Madras, Chennai and other professional bodies such as Indian Society for Non- destructive Testing Kalpakkam chapter, Indian Institute of Metals, Kalpakkam chapter and Indian Structural Integrity Society.

## Scope

- Mechanical Behavior of Materials
- Fatigue and Fracture Mechanics
- Creep and Creep-Fatigue Interaction
- High Strain Rate Loading
- Small Specimens Test Methods
- Fretting and Multi-axial fatigue
- Fracture Mechanics based Design
- Computational Mechanics
- Micromechanics of Fracture and Damage
- Steel and Concrete Structures
- Composites, Bio and Nano Materials
- Structural Materials and Weldment
- NDE and Structural Health Monitoring
- Failure Analysis
- Reliability and Structural Integrity Assessment
- Fitness for Service and Remaining Life Assessment
- LBB Analysis
- Regulatory Aspects
- Life of Nuclear Structures Aerospace and Automobile Applications
- Offshore and Marine Structure



## Abstracts & Proceedings

Authors are invited to submit abstracts of about 2000 characters (text only), clearly indicating the work carried out and salient results in the subject areas listed within the Scope, using online abstract submission system. Authors of accepted abstracts will be invited to submit full length manuscripts which will be published as a special issue in Materials Today: Proceedings (Elsevier Publications) or IGF journal of "Frattura ed integrità Strutturale" after peer-review. Detailed guidelines for manuscript submission etc. will be available on the conference website.

## Conference Structure

Conference is structured with plenary lectures, keynote lectures and several invited lectures from world renowned researchers, academicians and industrial experts apart from contributed papers as podium/poster presentations. Plenary and keynote lectures would be held at the main auditorium, while oral contributory presentations would be in parallel sessions. Special poster sessions are planned during the conference days of ICONS 2023. Best papers from oral and poster sessions will be awarded on the final day of ICONS 2023.

## Pre-Conference Workshops

Two pre-conference workshops will be organized during ICONS 2023:

"Fatigue life and fracture assessment of steel and concrete structural components"

Date: August 21, 2023 Venue: CSIR-SERC, Chennai

"Design, manufacturing and quality assurance of large size components"

Date: August 22, 2023 Venue: IGCAR Kalpakkam

Experts from the above domain areas will deliver technical talks.

## Important Dates

Deadline for abstract submission :	<b>April 15, 2023</b>
Acceptance notification :	<b>April 30, 2023</b>
Submission of manuscript :	<b>May 31, 2023</b>
Communication of review outcome of manuscript :	<b>June 30, 2023</b>
Submission of revised camera- ready manuscripts :	<b>July 31, 2023</b>
Conference dates :	<b>August 23-25, 2023</b>



## Venue

The conference will be held at The Grande Bay Resorts, Mamallapuram, Tamil Nadu, India. Mamallapuram (also called Mahabalipuram) is located about 60 Km south of Chennai city, which is well connected by international airlines from all over the world. Mamallapuram is an UNESCO's world heritage site and is famous for its traditional art & culture. The town is also known for various historic monuments, particularly, monolithic rock carvings, built largely between 700 and 900 AD.

The climate will be salubrious with a high of 33°C and low of 27°C.

## Accommodation

Hotel Name	Distance from Conference Venue	Contact Details
Grande Bay	0 Km	<a href="mailto:sales@grandebayresort.in">sales@grandebayresort.in</a>
Mamalla Beach Resort	1.9 Km	<a href="mailto:rajeev@mamallaresort.com">rajeev@mamallaresort.com</a>
Ideal Beach Resort	4.6 Km	<a href="mailto:reservation@idealresort.com">reservation@idealresort.com</a>
Chariot Beach Resort	6.4 Km	<a href="mailto:sales8@chariotbeachresorts.com">sales8@chariotbeachresorts.com</a>
Hotel Mahabs	1.1 Km	<a href="mailto:mail@hotelmahabs.com">mail@hotelmahabs.com</a>
Hotel Mamalla Heritage	1.0 Km	<a href="mailto:info@hotelmamallaheritage.com">info@hotelmamallaheritage.com</a>
Hotel Tamilnadu	2.3 Km	<a href="mailto:support@ttdconline.com">support@ttdconline.com</a>
Esthell Village Resort	16.9 Km	<a href="mailto:das@esthell.com">das@esthell.com</a>
Bay Treasure	3.1 Km	<a href="mailto:reachus@baytreasure.in">reachus@baytreasure.in</a>
Vivanta, Fisherman's Cove	22.2 Km	<a href="mailto:bookvivanta.chennai@tajhotels.com">bookvivanta.chennai@tajhotels.com</a> , <a href="mailto:reservations.chennai@ihcltata.com">reservations.chennai@ihcltata.com</a>





## Registration Fees

<b>INDIAN DELEGATES</b>	Early bird registration till July 31, 2023	After July 31, 2023
Pre-conference workshop-1 (21 Aug 2023)	₹ 2,000	₹ 2,200
Pre-conference workshop-2 (22 Aug 2023)	₹ 2,000	₹ 2,200
Conference fees		
Delegates	₹ 12,000	₹ 13,200
Members of SFA, IIM, InSIS and ISNT	₹ 10,000	₹ 11,000
Students	₹ 5,000	₹ 5,500
Spouse	₹ 5,000	₹ 5,500
<b>OVERSEAS DELEGATES</b>	Early bird registration till April 30, 2023	After April 30, 2023
Delegates	\$ 400	\$ 500
Students	\$ 200	\$ 250
Spouse	\$ 200	\$ 250

Individual registration is a must to present the paper at the Conference; One registrant can present a maximum of two papers (oral/poster) at the conference. Only presented papers will be considered for conference publication.

## Remittance

Remittance may be made in the form of Demand Draft in favour of:

“ICONS” payable at SBI Kalpakkam.

Remittance by Telegraphic Transfer:

Account name - ICONS

Account Number - 37592452539

Bank - State Bank of India, Kalpakkam - 603 102, Tamil Nadu, India

IFSC code – SBIN0002219`

For more information on sponsorship opportunities, and stall booking for exhibition at pre-conference workshop please contact us at [icons@igcar.gov.in](mailto:icons@igcar.gov.in)



## Sponsorship Opportunities

Opportunities are available for industries, equipment manufacturers, publishing houses, and government agencies to support ICONS 2023 as listed below.

Level of Sponsorship	Fee	Benefits to Sponsor
Diamond Sponsor	₹ 5.00 Lakhs	<ul style="list-style-type: none"> <li>Banner and display of Logo during the conference</li> <li>2 standard size (3 m x 3 m) exhibition stall at venue</li> <li>Logo in website and Souvenir</li> <li>One-page profile of the organisation in souvenir</li> <li>Full page colour advertisement in souvenir</li> <li>Free registration for Four delegates</li> </ul>
Gold Sponsor	₹ 3.00 Lakhs	<ul style="list-style-type: none"> <li>Banner and display of Logo during the conference</li> <li>1 standard size (3 m x 3 m) exhibition stall at venue</li> <li>Logo in website and Souvenir</li> <li>One-page profile of the organisation in souvenir</li> <li>Full page colour advertisement in souvenir</li> <li>Free registration for Two delegates</li> </ul>
Silver Sponsor	₹ 2.00 Lakhs	<ul style="list-style-type: none"> <li>Banner and display of Logo during the conference</li> <li>1 standard size (3 m x 3 m) exhibition stall at venue</li> <li>Logo in website and Souvenir</li> <li>Full page colour advertisement in souvenir</li> <li>Free registration for One delegate</li> </ul>

\*All prices are exclusive of 18% GST

## Exhibition Stall at Venue

Stall for 3 days with 1 Table, 2 Chairs, Spot light and one universal plug point, one page Black & White Advertisement in Souvenir and free registration for one delegate	<b>Stall Size</b> 3 m x 3 m	<b>Fee</b> ₹ 1.00 Lakh
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## Advertisements in Souvenir

Paper size: A4, Print Area: 17 x 24 cm Print material required from the advertiser:  
Preferably Soft copy / Art work / Typed Material / Positive

### Advertisement Fee Detail

Back outside cover – Colour	₹ 75,000/-
Inside Cover – Colour	₹ 60,000/-
Full Page (Inside) – Colour	₹ 50,000/-
Full Page (Inside) – Black & White	₹ 30,000/-
Half Page (Inside) – Black & White	₹ 20,000/-



## Patrons

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## Contacts

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