

3rd International Conference on STRUCTURAL INTEGRITY

August 23-25, 2023

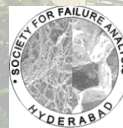


Mamallapuram, Tamil Nadu, India

Organized by



Indira Gandhi Centre for Atomic Research
Kalpakkam



Society for Failure Analysis
Chennai Chapter

In Collaboration with



Indian Institute of Technology Madras
Chennai



Indian Society for Non-destructive
Testing, Kalpakkam Chapter



Indian Institute of Metals
Kalpakkam Chapter



Indian Structural Integrity
Society, Bengaluru



Patrons

Anil Kakodkar, Chancellor, Homi Bhabha National Institute, Former Chairman, Atomic Energy Commission & Former Secretary, Department of Atomic Energy, India

Ajay K Sood, Principal Scientific Advisor to Government of India

Ajit Kumar Mohanty, Chairman, Atomic Energy Commission & Secretary, Department of Atomic Energy, India

S Somanath, Chairman, Indian Space Research Organisation & Secretary, Department of Space, India

Samir V Kamat, Chairman & Secretary, Defence Research & Development Organisation, India

Srivari Chandrasekhar, Secretary, Department of Science & Technology, India

V Kamakoti, Director, IIT-Madras, Chennai, India

N Kalaiselvi, Director General, Council of Scientific and Industrial Research & Secretary, Department of Scientific and Industrial Research, India

Advisory Board

International

B Venkatraman, Director, IGCAR, Kalpakkam, India

Bhuwan Chandra Pathak, CMD, NPCIL, Mumbai, India

Dinesh Kumar Shukla, Chairman, AERB, Mumbai, India

U Kamachi Mudali, Vice Chancellor, HBNI, Mumbai, India

Komal Kapoor, Chairman & Chief Executive, NFC, Hyderabad, India

Jitendra Srivastava, Chairman & Chief Executive, HWB, Mumbai, India

Vivek Bhasin, Director, NFG & RDDG, BARC, Mumbai, India

Sanjay Kumar Jha, President, SFA & CMD, MIDHANI, Hyderabad, India

Nalin Shinghal, Chairman & Managing Director, BHEL, New Delhi, India

M Z Siddique, Director General, NS & M, DRDO, Visakhapatnam, India

Vikram Jayaram, President, InSiS, Indian Institute of Science, Bengaluru, India

R Sunder, BISS, Bengaluru, India

Ashok Saxena, University of Arkansas, USA

Alan Cocks, University of Oxford, U.K

A Carpinteri, University of Parma, Italy

E E Gdoutos, Democritus University of Thrace, Greece

Francesco Iacoviello, Università di Cassinoedel Lazio Meridionale DICeM, Italy

T Jayakumar, AR&DB, DRDO, India

K Ravi-Chandar, University of Texas, USA

Otmar Kolednik, Erich Schmid Institute of Materials Science, Austria

K Sadananda, Technical Data Analysis Inc., USA

K S Ravi Chandran, University of Utah, USA

Zhou Wei, Nanyang Technological University, Singapore

Jaroslav Pokluda, Brno University of Tech, Brno, Czech Republic

Robert J Lancaster, Swansea University, UK

Abdel-Monem El-Batahy, CMRDI, Egypt

Jean-Bernard VOGT, Centrale Lille Institute/Universite Lille, France

Amine Benzerga, Texas A&M University, USA

Jesus Toribio, Universidad de Salamanca, Spain

National

K V Suresh Kumar, CMD, BHAVINI, Kalpakkam

R Divakar, IGCAR, Kalpakkam

B K Nashine, IGCAR, Kalpakkam

S Gopalakrishnan, IISc Bengaluru

Jayanta Chattopadhyay, BARC, Mumbai

R N Singh, BARC, Mumbai

S M Ingole, NPCIL, Mumbai

Vijay Chaudhry, NPCIL, Mumbai

Debashish Bhattacharjee, TATA Steel

S V S Narayana Murty, ISRO, Trivandrum

N Anandavalli, CSIR-SERC, Chennai

C M Manjunatha, NAL Bengaluru

Krishnan Balasubramanian, IIT Madras

M Kamaraj, IIT Madras

C Lakshmana Rao, IIT Madras

Krishna Jonnalagadda, IIT Bombay

Sumit Basu, IIT Kanpur

Rahul Mitra, IIT Kharagpur

Naresh Datla, IIT Delhi

K S R K Murthy, IIT Guwahati

M Ramji, IIT Hyderabad

S Sivaprasad, NML Jamshedpur

S Shamasundar, Pro-SIM, Bengaluru

G V S Nageswara Rao, NIT Warangal

N Narasaiah, NIT Warangal

D R Peshwe, VNIT Nagpur

Sanjib Acharyya, Jadavpur University, Kolkata

P C Chakraborti, Jadavpur University, Kolkata



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 developments 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	May 31, 2023
Acceptance notification	June 7, 2023
Submission of manuscript	June 30, 2023
Communication of review outcome of manuscript	July 15, 2023
Submission of revised manuscripts	July 31, 2023
Conference dates	August 23-25, 2023



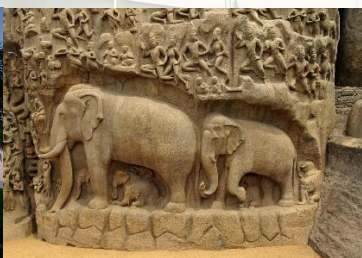
Venue

The conference will be held at Convention Center, Four Points by Sheraton, 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
Four points by Sheraton	0 km	Rahila.Jasmeen@fourpoints.com
Hotel Mamalla Heritage	3.3 km	sales1@grandebayresort.in
Hotel Mahabs	3.4 km	mail@hotelmahabs.com
Grande Bay	3.5 km	sales1@grandebayresort.in
Chariot Beach Resort	3.9 km	sales8@chariotbeachresorts.com
Bay Treasure	4.3 km	reachus@baytreasure.in
Mamalla Beach Resort	5.4 km	rajeev@mamallaresort.com
Hotel Tamilnadu	5.6 km	support@ttdonline.com
Ideal Beach Resort	6.2 km	reservation@idealresort.com
Esthell Village Resort	14.8 km	das@esthell.com
Taj Fisherman's Cove	25.5 km	bookvivanta.chennai@tajhotels.com , reservations.chennai@ihcltata.com





Registration Fees*

INDIAN DELEGATES	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
OVERSEAS DELEGATES	Early bird registration till May 31, 2023	After May 31, 2023
Delegates	\$ 400	\$ 500
Students	\$ 200	\$ 250
Spouse	\$ 200	\$ 250

*All prices are exclusive of 18% GST

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.

Participants registering for the main conference and any one pre-conference workshop will also be eligible to attend the other pre-conference workshop without additional payment.

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



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

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	Stall Size 3 m x 3 m	Fee* ₹ 1.00 Lakh
---	--------------------------------	----------------------------

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/-

* All prices are exclusive of 18% GST

Contacts

Chairman, Local Organizing Committee

Dr. M Vasudevan

dev@igcar.gov.in

Conference Chairs

Prof. Raghu V Prakash

raghuprakash@iitm.ac.in

Dr. Aniruddha Moitra

moitra@igcar.gov.in

Convenor

Dr. S A Krishnan

sakrish@igcar.gov.in

Co-convenor

M V Kuppusamy

masikuppu@igcar.gov.in

ICONS Office: icons@igcar.gov.in; Ph.: +91 44 27480003

