

ICRESH 2019

10th – 13th January, 2019

Chennai (Madras), India

*Announcement and First Call
for Papers*

ICRESH-2019 invites research and technical papers of high quality, bringing out original contributions for presentation at the conference. Selected papers after peer review would be published either in *Journal of Reliability and Life Cycle Analysis* (or) brought out as a *Lecture Series book by Springer*.

4th International Conference on Reliability, Safety and Hazard



ORGANIZED BY

The Society for Reliability and Safety, India

Indian Institute of Technology Madras,
Chennai, India

About the conference

Conference topics

Call for abstracts

Conference deadlines

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About the Conference

Society for Reliability and Safety, along with Bhabha Atomic Research Centre, Mumbai and Indian Institute of Technology Madras, Chennai are jointly organizing the fourth International Conference on Reliability, Safety and Hazard (ICRESH-2019) during 10-13, January, 2019 at Chennai (Madras), India.

Over the last four years several developments in the areas of reliability and risk analysis as well as probabilistic safety assessment has been performed as part of the risk-based applications. This includes physics of failure (PoF), root-cause analysis for failure etc.

The objective of this conference is to provide a technical forum for discussions on the recent developments in the areas of risk based approach and the role of physics-of-failure methods in decision making. This is the fourth International conference in this series, starting with the first ICRESH that was held in Mumbai, followed by one in 2010 at Mumbai and the third jointly with ARMS at Lulea, Sweden in 2015.



Call for Abstracts

Authors Interested in presenting and publishing their original work of theoretical or applied nature, and case studies are invited to submit an abstract not exceeding 400 words latest by March 15, 2018 to the conference website (online submissions only). The abstract should include keywords/phrases and details of all authors including the corresponding author along with their valid email IDs.

Acceptance of the abstracts will be notified by April 01, 2018. The authors whose abstracts are accepted are required to submit a draft manuscript (~ 8 pages including figures and tables) to the conference website before May 15, 2018. The manuscripts will be peer reviewed before final acceptance.

Conference Deadlines

Announcement and First Call for Abstracts: Nov 25, 2017

Second Call for Abstracts: Jan 15, 2018

Abstract Submission Deadline: April 30, 2018

Abstract Acceptance Notification: May 15, 2018

Draft manuscript submission: July 31, 2018

Announcement of Review Results: September 30, 2018

Submission of Revised, Final Manuscripts: October 31, 2018

Proof of Manuscripts: Nov 30, 2018.

Conference Presentation: Jan 10-13, 2019.

Conference Topics

Reliability Prediction

Physics of Failure Models

Quantitative Methods

Software Reliability

Probabilistic safety Assessment

Stress Analysis in support of failure prediction

Passive System Reliability,

Investigation of Safety Critical Issues,

Role of Deliberative and Annalistic Approach in Regulatory Framework,

Risk-Informed Approach,

Dynamic Models for Reliability Analysis,

Reliability Based Design and Evaluation,

Reliability Centered Maintenance,

Prognostics & Health Management,

Precursor Event Analysis,

Severe Accident Management,

Heat Transfer and Thermal Management in Electronic System,

Accelerated Life Testing Methods for Reliability Prediction,

Remaining life Prediction in Support of Ageing Management,

Passive System Reliability,

Uncertainty & Sensitivity modeling,

Human Reliability Modeling,

Human Factor Assessment,

Role of Advanced Methods in Human Factors,

Artificial Intelligence Methods & Operational Reliability,

Risk-informed Asset Management,

Risk-based Applications,

Risk-based Management Systems,

Hazard Evaluation Methods,

Hazard & Operability Study (HAZOPS)