

## EXHIBITION/ SPONSORSHIP

The conference will provide an opportunity to commercial and industrial partners to exhibit their products / services to attendees, students and early career engineers. Display platforms will be provided at the venue.

This year's program is fully stacked with high level technical content, qualified keynote speakers, presentations and competitions.

Your support allows organizers and members to continue their efforts in knowledge sharing and skill development across all engineering disciplines. Further details may be obtained from the Conference Chair (varde@barc.gov.in; vkgupta@iiitdmj.ac.in)

## REGISTRATION DETAILS

### NOTE

There is an additional 18% GST and Transfer charges applicable over and above all registration fees.

One registration by an author will cover up to TWO accepted papers by the same registering author.

Author and Attendee Registration (Early Bird*, Date: Nov 15, 2017)		
Category	Indian nationals (INR)	Foreign nationals
Non-SRESA Member	₹ 5,000	\$300
SRESA Member	₹ 4,000	\$200
Students and Research Scholar	₹ 3,000	\$100
Author and Attendee Registration (After early bird Registration Deadline; Date Nov 16 - Jan 15, 2017)		
Non-SRESA Member	₹ 6,250	\$375
SRESA Member	₹ 5,000	\$250
Students and Research Scholar	₹ 3,750	\$125

All the payment should be made through a Demand Draft, drawn in favour of "Society for Reliability and Safety (SRESA)", payable at Mumbai.

### Bank Details for Online payment

Bank Name : State Bank of India  
 Branch Name : Bhabha Atomic Research Centre Trombay  
 A/C No. : 31110442604  
 Swift code : SBININBB508  
 IFSC code : SBIN0001268

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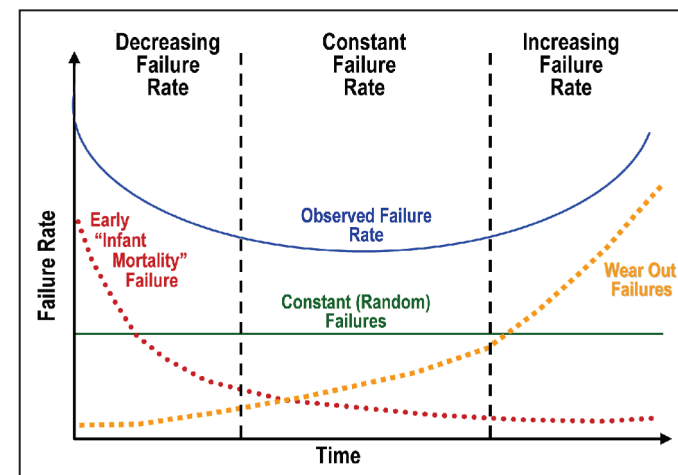
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# INCRS-2018

## 1<sup>st</sup> INTERNATIONAL and 4<sup>th</sup> NATIONAL CONFERENCE ON RELIABILITY AND SAFETY ENGINEERING

FEBRUARY 26-28, 2018



### Jointly Organized by

PDPM Indian Institute of Information Technology,  
 Design and Manufacturing, Jabalpur  
 &  
 Society for Reliability and Safety(SRESA)  
 Mumbai

at

PDPM IIITDM Jabalpur, India

## ABOUT CONFERENCE

Reliability and safety engineering have attracted much attention in recent years and play an important role right from product design, manufacturing and maintenance phases of any engineering systems such as aerospace, automobile, power plants, security systems, naval systems, software etc. Further, with the growing computational techniques, signal processing techniques and with the use of machine learning methods, it is appropriate to ensure reliability by diagnosing faults at incipient stage. The proper operation of plants/machines are closely allied to the condition of various components such as pumps, compressors, rolling element bearings, cams, gears etc. Catastrophic failures of these components may cause expensive machine shutdowns, human casualties and may also affect the associated systems. This necessitates the use of highly sophisticated reliability and safety methods to check for the smooth operation regularly. Reliability and Safety Engineering have wide applications in all conventional engineering fields. This INCRS-2018 conference aims to bring together all the learners in this field of reliability and safety under one roof to share and build knowledge based platform.

## ABOUT THE ORGANIZERS

The International and National Conference is being organized by PDPM Indian Institute of Information Technology Design and Manufacturing Jabalpur in association with SRESA Mumbai.

## About PDPM IIITDM Jabalpur

PDPM IIITDM Jabalpur was established in 2005 with a focus on education and research in IT enabled Design and Manufacturing. Since its inception, PDPM IIITDM Jabalpur has been playing a vital role in producing quality human resources for contribution in India's mission of inclusive and sustainable growth. The Institute offers undergraduate, post graduate and PhD programmes in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Design and PhD programmes in Mathematics and Physics. The Institute has been declared an Institute of National Importance in January 2015. The Institute campus is being developed on 250 acres of land close to Dumna Airport, Jabalpur.

## Society for Reliability and Safety (SRESA)

SRESA was established in the year 2010 with an objective to promote and develop reliability and safety engineering sciences. The society delivers reliability and safety engineering courses and services for any kind of energy systems like nuclear and thermal power plants, research reactors, and other industrial plants like nuclear irradiators, reprocessing plants, conventional process and chemical industry. Also society caters the need of ageing studies and remaining life assessment and diagnosis in scientific and technical manner. They promote research in the area of installation safety & security towards formulating tools and method for assessment of design basis threats and mitigation systems.

SRESA has organized 3 International Conference (International Conference on Reliability, Safety and Hazard – ICRESH) successfully. SRESA has also organized three National Conferences successfully. The INCRS is the 1st International and 4th National Conference on Reliability and Safety Engineering (INCRS-2018) to be organized with PDPM IIITDM Jabalpur.

## ABOUT JABALPUR CITY

The city of Jabalpur is known and considered as Sanskardhani, a "Cultural Center Place". It is a place of great historical and cultural importance. This Cultural capital of Madhya Pradesh is situated on the bank of the holy Narmada and Famous for Dhuandhar Falls and Marble Rocks in Bhedaghat. Pench National Park, Kanha Tiger Reserve, Bandhavgarh National Park are attractions near Jabalpur city.

## PAPER SUBMISSION: IMPORTANT DATES AND DEADLINES

Abstract submission	: October 31, 2017
Abstract acceptance notification	: November 10, 2017
Full paper submission	: November 30, 2017
Paper acceptance	: December 20, 2017
Early Registration	: November 15, 2017
Registration	: January 15, 2018
Final paper submission (Camera ready copy)	: January 04, 2018
INCRS ' 2018	: February 26-28, 2018
Contact email ID:	: <a href="mailto:incrs@iiitdmj.ac.in">incrs@iiitdmj.ac.in</a>

## CONFERENCE SCOPE

The scope of the conference includes, but is not limited to :

- Reliability in Design and automation
- Reliability of microelectromechanical and nanoelectromechanical systems
- Rotating systems and rotor dynamics
- Condition based maintenance
- Software reliability
- Component reliability and quality
- System reliability
- Product reliability
- Accelerated life testing
- Influence of ageing effects on reliability
- Prognostics and health management system
- Risk informed approach in decision making
- Role of six sigma in reliability
- Big data analytics for critical systems
- Risk assessment
- Accident forecasting models
- Intelligent approaches in risk engineering
- Software reliability
- Passive system reliability
- Human Reliability
- Stochastic process and its applications
- Classical statistics approach
- Warranty assessment
- Reliability in Biomedical applications
- Artificial Intelligence Techniques for Reliability
- Methods of Reliability Enhancement

## PROCEEDINGS OF THE CONFERENCE

The full length accepted manuscripts will be published in the form of proceedings of the conference. Selected papers will be published in the International Journal of Life Cycle Reliability and Safety Engineering (Springer Journal).

## BEST PAPER AWARD

Best paper will be selected and awarded with the certificate.