

NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR

Department of Metallurgical and Materials Engineering

presents a 5-day Workshop on
**Structural Integrity Management and Protocols for Life Extension
(SIMPLE)**

<https://www.simplenitjsr.com>

30th October to 3rd November 2026

In collaboration with IIM Jamshedpur Chapter



Metallurgy
Materials Engineering



About the workshop

The Department of Metallurgical and Materials Engineering (DMME), National Institute of Technology (NIT) Jamshedpur, India, will host a five-day workshop on Structural Integrity Management and Protocols for Life Extension (SIMPLE) to deliver industry-based problem sessions, discussions, and lectures, etc., to enhance the Industry-Academic relationship on **30th October to 3rd November 2026**. Our target audience is expected to include engineers from the petrochemical, power, iron and steel, metallurgical, and heavy engineering industries, as well as students and researchers from academic institutions and research organizations. The workshop will bring together faculty, researchers, and industry experts in a well-connected zone.

The broad areas of this workshop will be:

1. Case study of industrial failures, 2. Mechanisms of material damage and quantification of material resistance, 3. Surface degradation and its prevention, 4. Characterization of damaged materials, 5. Quantification of damage and defects through NDT&E, 6. Simulation and modelling for structural integrity assessment, 7. Application of Automation, IoT, Digital twins, Big data, and Machine learning for structural integrity assessment, and 8. Codes, software, and professional norms for structural integrity assessment: ASME code, BIS standards, API guidelines.

Who Should Attend?

- Industry professionals
- Academicians and researchers
- Students

Why Attend?

- Learn from industry experts and lecturers
- Gain knowledge with real-world applications
- Networking with professionals in the field



Prof. Goutam Sutradhar
(Director, NIT JSR)
(Chief Patron)



Dr. Omkar Nath Mohanty
(Director of Tech & Acad Initiative, RSB Group)
(Chief Guest)



Prof. Ashok Kumar
(Professor, DMME, NIT JSR)
(Patron)



Dr. Prakash Sarkar
(Asst. Prof., DMME, NIT JSR)
(Convenor)



Dr. Monalisa Mandal
(Asst. Prof., DMME, NIT JSR)
(Convenor)



Dr. Ram Krishna
(Asst. Prof., DMME, NIT JSR)
(Organizing Secretary)



Dr. Aravind Gali
(Asst. Prof., DMME, NIT JSR)
(Organizing Secretary)

Advisory Committee

Dr. Manish Roy (POP, DMME, NIT JSR)
Dr. T K Roy (POP, DMME, NIT JSR)
Dr. S Tarafdar (POP, DMME, NIT JSR)
Prof. Indranil Manna (Vice Chancellor, BIT Mesra, Ranchi)
Dr. Sandip Ghosh Chowdhury (Director, CSIR-NML, Jamshedpur)
Mr. Chaitanya Bhanu (Vice President Operations, Tata Steel)
Prof. Sukumar Mishra (Director, IIT (ISM) Dhanbad)
Dr. Atanu Ranjan Pal (CTO, Tata Steel and Chairman, IIM Jamshedpur chapter)
Dr. Gopi Kishor Mandal (Scientist-G, CSIR-NML, Jamshedpur)

Organizing members

Faculty Members of DMME, NIT Jamshedpur: Dr. Rina Sahu, Dr. C S Chowdhary, Dr. Renu Kumari, Dr. Poulami Maji, Dr. S K Vajpai, Dr. Binay Kumar, Dr. Anushree Dutta, Dr. Jichil Majhi, Dr. Partha Duley, Dr. Ashwinee Kumar, Dr. Amit Patel

Registration details

- Academia (B.Tech./M.Tech./Ph.D./Faculty) (Internal): Complete fees waived off
- Academia (B.Tech.) (External): 590 INR (GST included)
- Academia (M.Tech./Ph.D./Faculty) (External): 2,950 INR (GST included)
- Industry/Laboratory: 5,900 INR (GST included)
- For IIM members: 4,720 INR (GST included)
- Early bird registration concession for Academia: 50% registration fee will be waived off for the first person to be registered from various institutions/universities.
- Bank Details: Account Number- 38246478714, IFSC Code- SBIN0001882, Account Name- RESEARCH AND CONSULTANCY NIT JAMSHEDPUR, Bank Name- State Bank of India (SBI), Branch- SBI NIT Jamshedpur
- Registration link:

<https://forms.gle/8PwoA19Cwm2HMD8H6>



Website link

<https://www.simplenitjsr.com>

Venue details

Lecture Hall 212, Diamond Jubilee Lecture Hall Complex (DJLHC), NIT Jamshedpur

Contact details

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Speakers



Dr. Soumitra Tarafdar
Professor of Practice
DMME, NIT JSR



Dr. Monalisa Mandal
Assistant Professor
DMME, NIT JSR



Prof. Ashok Kumar
Professor
DMME, NIT JSR



Dr. Jichil Majhi
Assistant Professor
DMME, NIT JSR



Dr. Manish Roy
Professor of Practice
DMME, NIT JSR



Dr. Indranil Chatteraj
Former Director
CSIR-NML, Jamshedpur



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Dr. Anushree Dutta
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Tata Steel, Jamshedpur



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Former Chief Scientist
CSIR-NML, Jamshedpur



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Scientist
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Assistant Professor
DME, NIT JSR



Dr. Ram Krishna
Assistant Professor
DMME, NIT JSR



Dr. Ashwinee Kumar
Assistant Professor
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Scientist-G, Mat. Engg. Div.
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