



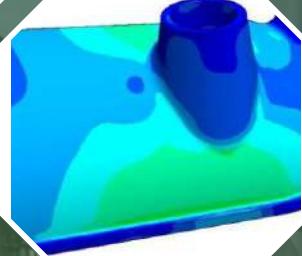
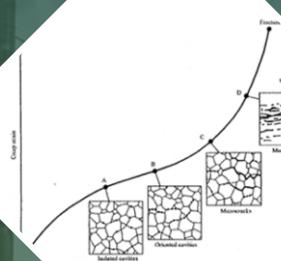
सीएसआरआय
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India



Symposium on Remaining Life Assessment of Engineering Components

RLA-2026

9-10 April, 2026



Organized by:

CSIR-National Metallurgical Laboratory
Jamshedpur 831007

About RLA-2026

Remaining Life Assessment (RLA) of aging engineering components is a critical requirement for ensuring safety, reliability, and uninterrupted operation of industrial assets such as boilers, turbines, pressure equipment, pipes etc. In India, the need for systematic RLA is particularly pronounced, given the country's installed thermal power generation capacity of approximately 240,000 MW, much of which is ageing. The safe and continued operation of these assets requires periodic evaluation of material condition, degradation mechanisms, and residual life.

Engineering components in service are subjected to complex and interacting damage mechanisms, including creep, fatigue, corrosion, and oxidation. Accurate life prediction, accounting for these multiple damage processes, is essential to prevent catastrophic failure, reduce downtime and ensure regulatory compliances. RLA methodologies are typically based either on non-destructive evaluation (NDE) or destructive laboratory testing, each offering distinct advantages and limitations.

This symposium, the fourth in a successful series, continues a proven platform that brings together professionals, researchers, and practitioners working in the field of RLA. The symposium aims to deliberate on key challenges, established and emerging RLA methodologies, and highlight the importance of integrated assessment approaches and data-driven tools. These approaches are essential for enhancing confidence in life predictions, supporting informed decision-making, and enabling the safe extension of life of ageing engineering components.

Scope of RLA-2026

The symposium offers a platform to explore recent advancements in Remaining Life Assessment (RLA) of critical components, integrating destructive laboratory testing, industrial plant-based NDT data, and data-driven modeling approaches. The deliberations will equip professionals with advanced tools and methodologies for effective RLA of engineering components. The event is expected to attract a wide range of participants, including plant engineers, R&D professionals, and regulatory authorities, fostering meaningful technical exchange and collaboration.

The symposium will address, but not be limited to, the following key themes:

- ▶ Creep and stress rupture test-based RLA
- ▶ Microstructure-based and data-driven models for RLA
- ▶ Sensors and NDT tools for RLA
- ▶ Recent advancements in RLA methodologies

The symposium will feature invited lectures by renowned experts and visits to major facilities at CSIR-National Metallurgical Laboratory



Sponsorship

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Exhibition Stall for Equipment Manufacturer

Fee* (INR)	Complementary delegates
250000	4

Total number of stalls: 2 Nos.

Area of each stall: 10ft x 10ft

Registration

Delegates: Rs.8000/-*

Students: Rs.5000/-*

Last date of registration:

16 March, 2026

* + GST 18%

The registration fee may be paid by wire transfer using the details given below:

Account Number: 30271713826

Branch Code: 3329

IFSC Code: SBIN0003329

SWIFT Code: SBININBB164

Bank Name & Branch: State Bank of India (SBI),
NML Branch, Jamshedpur – 831007

Kindly email a copy of the payment details to the conveners.

Who should attend?

Professionals from but not only limited to:

- Oil & Gas, Refineries, Petrochemicals, Fertilizers, and Chemical Industries
- Power & Energy Industries
- Aerospace and Defence
- Steel and Manufacturing Industries
- R&D Organizations, Students and Research Scholars

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