



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

CALL FOR PAPERS NMAMLD 2026

International Conference on

NONLOCAL MECHANICS APPROACHES FOR MODELLING LOCALIZED DEFORMATION

Applications to Fatigue, Fracture and Damage in Engineering Materials and Structures



14-16 DECEMBER 2026



INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD, INDIA

PAPERS ARE INVITED IN THE FOLLOWING AREAS OF COMPUTATIONAL MECHANICS AND SIMULATION

NMAMLD 2026 invites original research contributions from academicians, researchers, industry professionals, engineers, and students working in computational mechanics, theoretical modelling, numerical simulations, material behaviour, structural response, and failure analysis.

Papers are welcomed from theoretical, computational, numerical, and simulation-based studies on localized deformations, fracture, fatigue, damage, crack growth, high strain-rate response, and failure of engineering materials and structures. Submissions are not limited to nonlocal mechanics approaches.

THEMES AND AREAS OF INTEREST

- ★ Nonlocal continuum mechanics and integral-type nonlocal models
- ★ Gradient-enhanced damage, plasticity and fracture formulations
- ★ Phase-field modelling of fracture, fatigue and damage evolution
- ★ Finite element modelling and advanced numerical simulation methods
- ★ Computational fracture mechanics and crack propagation analysis
- ★ Fatigue damage modelling and life prediction under cyclic loading
- ★ High strain-rate behaviour, impact response and dynamic failure
- ★ Strain localization, strain softening and shear band formation
- ★ Multiscale modelling of heterogeneous and advanced materials
- ★ Constitutive modelling of elastic, inelastic and degrading materials
- ★ Coupled thermo-mechanical and multiphysics simulations
- ★ Structural integrity, durability assessment and failure prediction
- ★ Concrete, metals, composites, ceramics and other engineering materials
- ★ Civil, mechanical, aerospace, automotive and infrastructure systems
- ★ Repair, retrofit, resilience and safety assessment of structures
- ★ Data-driven computational mechanics, AI/ML-assisted simulations and surrogate modeling

PUBLICATION OPPORTUNITY

Selected papers will be published in MAMS and IJCMESM journals, subject to peer review and journal guidelines.



Mechanics of Advanced
Materials and Structures
(MAMS)



International Journal for
Computational Methods in
Engineering Science and
Mechanics (IJCMESM)

IMPORTANT DATES

Abstract Submission Deadline	30 AUGUST 2026
Notification of Acceptance	30 SEPTEMBER 2026
Full-Length Paper Submission Deadline	30 OCTOBER 2026
Last Date for Registration	15 OCTOBER 2026
Conference Dates	14-16 DECEMBER 2026

SUBMIT YOUR ABSTRACT



- Abstract Submission link: <https://nmamld2026.com/call-for-papers>
- Conference Website: <https://nmamld2026.com>
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