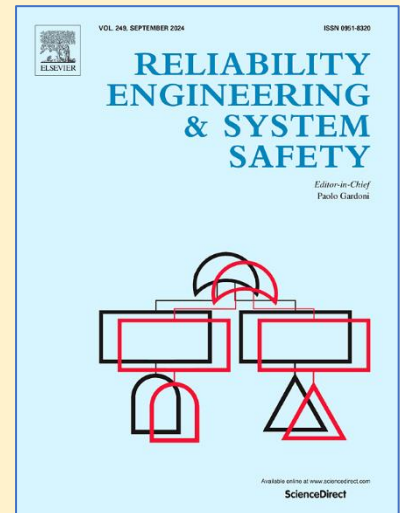


# Reliability Engineering & System Safety (RESS):

## *Special Issue Announcement*

### Operations Research and Artificial Intelligent (AI) Models for Maintenance Management of Engineering Assets

The maintenance of complex engineering assets, e.g. power generators, telecom networks, etc., poses significant challenges due to their compound nature, high costs, and criticality for operational safety. Operations research techniques offer a systematic approach to optimize the maintenance activities, while AI methods, such as machine learning and meta-heuristics, enable predictive maintenance and intelligent decision-making. This call invites researchers and practitioners to explore innovative applications of operations research and AI in addressing maintenance management challenges, including but not limited to maintenance decision optimization, asset prioritization, maintenance scheduling, condition monitoring, fault diagnosis and spare parts inventory optimization. Contributions from diverse fields, including industrial engineering, computer science, mechanical engineering, and management science, are encouraged to advance the state-of-the-art in maintenance management and facilitate decision support systems that enhance engineering asset performance, reliability, and availability.



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#### Manuscript submission information:

Authors are invited to submit their papers to the Editorial Manager System of the journal: <https://www2.cloud.editorialmanager.com/jress/default2.aspx>

When submitting your manuscript please select the article type “VSI: OR&AI maintenance”.

The submission portal is open **July 1, 2024**

The submission deadline is **February 1, 2025**

The acceptance deadline is **August 1, 2025**