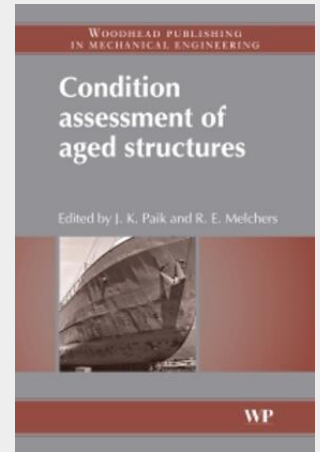


Condition Assessment of Aged Structures

Any structural system in service is subject to age-related deterioration, leading to potential concerns regarding maintenance, health & safety, environmental and economic implications. Condition assessment of aged structures is an invaluable, single source of information on structural assessment techniques for marine and land-based structures such as ships, offshore installations, industrial plant and buildings. Topics covered include: - - Current practices and standards for structural condition assessment - - Fundamental mechanisms and advanced mathematical methods for predicting structural deterioration - - Residual strength assessment of deteriorated structures - - Inspection and maintenance of aged structures - - Reliability and risk assessment of aged structures Professionals from a broad range of disciplines will be able to gain a better understanding of current practices and standards for structural condition assessment or health monitoring, and what future trends might be.



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