

"Degradation Mechanisms in the Operation of Metal Structures"



The International Symposium „Degradation Mechanisms in the Operation of Metal Structures“ is included in the “3rd International Conference of Structural Integrity (ICSI)”, organised by ESIS on the beautiful Madeira Island, Portugal ,on 2-5 September 2019.

The symposium is focused on evaluation the operability of metal structures in interaction with factors such as corrosion, brittleness and ageing, radiation, fatigue damage after multi-year operation, and etc. These factors cause the degradation of material properties which are important for the integrity of the structure. The projected safety coefficient of the structures changes due to these factors. Contributions focused on the detection of these processes, the development of methods for assessing their impact on operational safety, with emphasis on non-destructive methods are welcome.

The motive of the symposium is a summarisation of the state of the area of degradation processes in metal structures, it's synergy, methods of their detection and evaluation of it's effect on the integrity of significant constructions in the field of energy, chemical industry, power industry, mining industry, as well as transport constructions and other.

Reviewed and accepted conference papers will be published in a dedicated issue in Elsevier's Procedia Structural Integrity.

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