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Aims and Scope

Structural Integrity and Life (*Integritet i vek konstrukcija*), is a professional and scientific journal of DIVK. The journal serves professionals in the analysis, design, testing, health monitoring, integrity assessment, case studies and engineering sciences of engineering structures. The journal aims to provide a recognisable forum for the research in the field of structural engineering and life of systems and components. We welcome the latest developments in the theory, experimentation and design methods that relate to engineering and structures such as mechanical, civil, energy, power plants, chemical/processing, transportation, mining, metallurgy, materials, welding, bio-medical, nanostructure, multi-scale, environmental, probabilistic, risk-based, forensic, hazards and protection, etc. Papers published include original papers, review papers, technical reports, book reviews, commentaries, and news. Topics cover fundamental aspects in theoretical and applied mechanics and mathematics, testing and experiments, design and reparation, materials sciences, analytical, computational and physical models, biomaterials fracture and fatigue, biomechanics, ceramics fracture and damage; composites, computational mechanics, concrete & rocks, creep fracture, damage mechanics, damage and fracture under dynamic loading, durability of structures; environmentally assisted fracture, failure analysis and case studies, fatigue - crack growth, fatigue resistance, high and low cycle fatigue, failure analysis and forensic engineering, fractography and advanced metallography, fracture and fatigue at atomistic, molecular and nano scale, fracture and fatigue testing systems, mixed-mode fracture and multiaxial loading, gradient mechanics, functional gradient materials, impact & dynamics, cohesive zone models, history of structural integrity and fatigue and fracture, innovative alloys, linear and nonlinear fracture mechanics, materials behaviour and image analysis, mesomechanics of fracture, Micro-mechanisms of fracture and fatigue; multi-physics and multi-scale modelling of cracking in heterogeneous materials, multiscale experiments and modelling; nanostructured materials, nondestructive examination; physical aspects of brittle and ductile fracture, polymer fracture and fatigue, probabilistic fracture mechanics; reliability and life extension of components, repair and retrofitting, modelling and practical applications, sandwiches, welded joints and coatings, smart materials, structural integrity, temperature effect, thin films, etc. Special thematic issues are occasionally published and are devoted to important regional events that cover topics as integrity and life, risk, safety and health of engineering structures.

Publication Ethics and Malpractice Statement

DIVK, or the Society for Structural Integrity and Life ‘Prof. Dr Stojan Sedmak’, is a Serbian scientific society seated in Belgrade, Serbia. We are a voluntary non-governmental and non-profitable society, established for an indefinite period of time, aimed at achieving goals in the field of assuring safety and integrity of structures, from the design phase up to the end of the structural lifecycle.
The Society is based on the creation, development, tradition and tasks of DIVK, and maintains a continuous, unique, true and legally valid ownership of all its achievements, content of work, movable and immovable property. Goals of the Society: to master the modern theoretical, experimental and numerical methods for assessing the integrity; to apply this knowledge in order to accomplish the safety and reliability of structures in service and to extend their design life; to secure the prevention of failures and outages, especially at risks for the environment; to improve the education and publishing level in this field.
The journal Editorial Board is responsible, among other, for deciding which of the research papers/articles submitted should be published and preventing publication malpractice. Unethical behaviour is unacceptable and the DIVK does not tolerate plagiarism in any form.

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