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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 struc-
tural 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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