

IGF Video recordings

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(European Structural Integrity Society)*



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Proceedings

All the submitted papers, after being reviewed, will be published in an issue of *Procedia Structural Integrity*.

Papers should be prepared according to the template that will be soon available on the IGF website.

Authors of selected conference papers will be invited to submit extended versions for publication in peer reviewed special issues of:

- Fatigue & Fracture of Engineering Materials & Structures
- Frattura ed Integrità Strutturale

Deadlines

- 20.01.2017: Abstracts submission
- 25.01.2017: Abstracts notification of acceptance
- 15.02.2017: Papers submission and early bird registration
- 20.02.2017: Papers notification of acceptance

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VIDEO-PRESENTATIONS

Presentation title	Authors	DOI
A combined experimental numerical investigation of the failure mode of thin metal foils	G. Bolzon, M. Shahmardani	https://doi.org/10.53255/IGFTUBE.IGF24.1
A coupled ALE Cohesive formulation for layered structural systems	M. F. Funari, F. Greco, P. Lonetti	https://doi.org/10.53255/IGFTUBE.IGF24.2
A new advanced railgun system for debris impact study	A. Vricella, A. Delfini, A. Pacciani, R. Pastore, D. Micheli, G. Rubini, M. Marchetti, F. Santoni	https://doi.org/10.53255/IGFTUBE.IGF24.3
A variational model for determining fracture modes in FRCM systems	G. Lancioni, J. Donnini, V. Corinaldesi	https://doi.org/10.53255/IGFTUBE.IGF24.4
An indentation based investigation on the characteristics of artificially aged pipeline steels	G. Bolzon, O. Zvirko	https://doi.org/10.53255/IGFTUBE.IGF24.5
An investigation on the “width and size effect” in the evaluation of the fracture energy of concrete	C. Carlesi, M. Santandrea, R. Wisdom	https://doi.org/10.53255/IGFTUBE.IGF24.6
Analysis of failure in quasi brittle materials by 3D multiplane cohesive zone models combining damage	R. Serpieri, M. Albarella, G. Alfano, E. Sacco	https://doi.org/10.53255/IGFTUBE.IGF24.7
Analysis of the mechanical behavior of a delayed coker drum with a circumferentially cracked skirt	J. L. Gonzales, S. Gomez, G. Gomez	https://doi.org/10.53255/IGFTUBE.IGF24.8
Blunt notch failure behavior of low alloy steels, as quenched from high or conventional austenitizing	A. Sapora	https://doi.org/10.53255/IGFTUBE.IGF24.9
Change of misorientation of individual grains in fatigue of polycrystalline alloys by diffraction contrast tomography using ultrabright synchrotron radiation	Y. Nakai, D. Shiozawa, N. Asakawa, K. Nonaka, S. Kikuchi	https://doi.org/10.53255/IGFTUBE.IGF24.10

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Correlation of pressure stimulated currents and acoustic emissions during 3PB of cement mortar beams and the role of loading rate	S. K. Kourkoulis, E. D. Pasiou, I. Dakanali	https://doi.org/10.53255/IGFTUBE.IGF24.11
Creep behaviour of 15 15TiSi austenitic steel in air and in liquid lead at 550°C	A. Strafella	https://doi.org/10.53255/IGFTUBE.IGF24.12
CVD nano coating of carbon composites for space materials atomic oxygen shielding	A. Delfini, A. Vricella, R. Bueno Morles, R. Pastore, D. Micheli, F. Gugliermetti, M. Marchetti	https://doi.org/10.53255/IGFTUBE.IGF24.13
Damage analysis of buildings materials by reverberation chamber		https://doi.org/10.53255/IGFTUBE.IGF24.14
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Duplex stainless steels “475°C embrittlement” influence of the chemical composition on the fatigue crack propagation resistance	F. Iacoviello, V. Di Cocco, E. Franzese	https://doi.org/10.53255/IGFTUBE.IGF24.17
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Monitoring the mechanical response of asymmetrically fractured marble epistyles after restoring their structural integrity	S. K. Kourkoulis, I. Dakanali	https://doi.org/10.53255/IGFTUBE.IGF24.29
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On the fracture processes of cutting	P. Stahle, A. Spagnoli, M. Terzano	https://doi.org/10.53255/IGFTUBE.IGF24.32
On the role of microstructural properties on mechanical behavior of API X46 steel	M.A. Beltran, J.L. Gonzalez, D. Rivas, F. Hernandez, H. Dorantes	https://doi.org/10.53255/IGFTUBE.IGF24.33
On the use of the Peak Stress Method for the calculation of Residual Notch Stress Intensity Factors	P. Ferro, M. Colussi, G. Meneghetti, F. Berto, M. Lachin, S.A. Castiglione	https://doi.org/10.53255/IGFTUBE.IGF24.34
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Torsion problems of finite cylinders weakened by ring shaped cracks	N. D. Vaysfel'd, Y. S. Protcerov	https://doi.org/10.53255/IGFTUBE.IGF24.44
Ultrasonic Fatigue Testing on the Polymeric Material PMMA, Used in Odontology Applications	G. M. Dominiguez Almaraz	https://doi.org/10.53255/IGFTUBE.IGF24.45
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