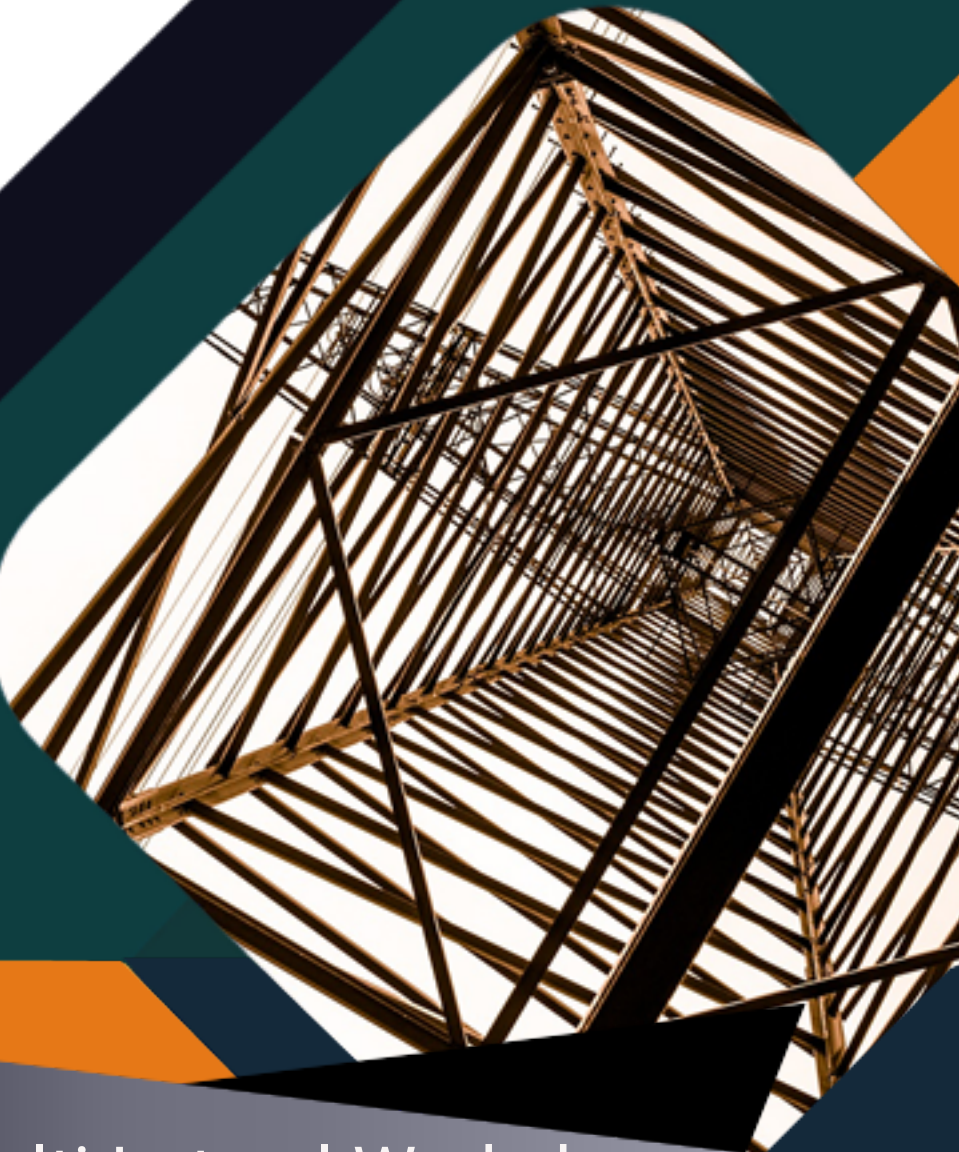


IGF Video recordings

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The first Multi-Lateral Workshop on
“Fracture and Structural Integrity
related Issues”



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September 15-17, 2015 – Catania, Italy



Grupo Español de Fractura
Gruppo Italiano Frattura
Sociedade Portuguesa de Materiais (SPM)/
Fracture Division

organize

The First Multi-Lateral Workshop on “Fracture and Structural Integrity related Issues”

ICF Interquadiennial Conference

<http://www.gruppofrattura.it>

Sponsored by

*European Structural Integrity Society
International Conference on Fracture*



Catania, Italy, September 15-17, 2014

Background

The Italian, Portuguese and Spanish Groups of Fracture are strenuous scientific associations involved in several activities run under the umbrella of both ESIS (European Structural Integrity Society) and ICF (International Congress on Fracture). They regularly organise national and international events to promote discussions and the free exchange of ideas in areas of interest to the fields of fracture and structural integrity. The Italian, Portuguese and Spanish Groups of Fracture are organising this first multilateral workshop not only to increase the level of cooperation amongst the Groups themselves, but also to give prominence to the research work done in the Iberian-Latin region of Europe on fracture and structural integrity related issues. In this friendly context, also researchers from other countries than Spain, Portugal and Italy are cordially invited to participate in this unique research workshop designed to allow scientists and engineers to present and exchange new data and cutting edge ideas in an informal and interactive format at a conference venue in a beautifully scenic Italian island.

Special celebration:

As a special event, dedicated sessions will be organised to celebrate the outstanding research work done, throughout his prestigious career, by Professor **Bruno Atzori** (University of Padova, Italy), who will be retiring in September 2014.

VIDEO-PRESENTATIONS

Presentation title	Authors	DOI
Biaxial fatigue tests and crack paths for AISI 304L stainless steel	V. Chaves, C. Madrigal, A. Navarro	https://doi.org/10.53255/IGFTUBE.WS2014.8
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Damaging micromechanisms characterization in a ferritic-pearlitic ductile cast iron	V. Di Cocco, F. Iacoviello, A. Rossi, M. Cavallini	https://doi.org/10.53255/IGFTUBE.WS2014.12
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Determination of the linearity end for surface temperature curve in traction static tests	A. Risitano, G. Fargione, E. Guglielmino	https://doi.org/10.53255/IGFTUBE.WS2014.14
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Dissimilar laser beam welding of high-Mn automotive steel sheets	P. Russo Spena, P. Matteis, D. Firrao, L. Cortese	https://doi.org/10.53255/IGFTUBE.WS2014.16
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Duplex S N fatigue curves statistical distribution of the transition fatigue life	D.S. Paolino, A. Tridello, H.S. Geng, G. Chiandussi, M. Rossetto	https://doi.org/10.53255/IGFTUBE.WS2014.18

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Dynamic additional loads influencing the fatigue life of gears in electric vehicles transmissions	G. Belingardi, F. Curà, V. Cuffaro	https://doi.org/10.53255/IGFTUBE.WS2014.19
Effect of the model s geometry in fretting fatigue life prediction	J. Vazquez, C. Navarro, J. Dominguez	https://doi.org/10.53255/IGFTUBE.WS2014.20
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Mechanical behavior of a sandwich with corrugated GRP core: numerical modeling and experimental validation	D. Tumino, T. Ingrassia, V. Nigrelli, G.	https://doi.org/10.53255/IGFTUBE.WS2014.43

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Static assessment of ductile brittle notched materials: an engineering approach based on the Theory of Critical Distances	R. Louks, H. Askes, L. Susmel	https://doi.org/10.53255/IGFTUBE.WS2014.56
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