

# IGF Video recordings

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## Atti del Convegno

Tutte le memorie accettate e presentate al Convegno Nazionale saranno raccolte nel volume degli atti che sarà distribuito a tutti i partecipanti e verrà pubblicate online in un volume di *Procedia Engineering*. Le memorie andranno preparate in lingua inglese secondo il template fornito da Procedia e disponibile nel sito IGF.

## Scadenze

- 28.02.2015: Invio Abstract
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- 01.05.2015: Invio memorie e pagamento quota di iscrizione ridotta
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## Segreteria Organizzativa

Vittorio Di Cocco  
Università di Cassino e del Lazio Meridionale - DICeM  
Via G. Di Biasio 43, 03043 Cassino (FR)  
tel. 07762994334; fax 07762993781  
gruppofrattura@gmail.com

## Segreteria IGF

Luca Susmel  
The University of Sheffield  
Dept. of Civil and Structural Engineering  
Mappin Street, Sheffield, S1 3JD, UK  
tel. +44 (0) 114 222 5073  
l.susmel@sheffield.ac.uk

## VIDEO-PRESENTATIONS

Presentation title	Authors	DOI
Nondestructive examination of hardened concrete using solitary waves	P. Rizzo, K. Li, W. Deng, A. Nasrollahi	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.1">https://doi.org/10.53255/IGFTUBE.IGF23.1</a>
Notch sensitivity on fully reversed axial fatigue behaviour of different polypropylene compounds	G. Meneghetti, M. Ricotta, M. Sanità, D. Refosc, B. Atzori	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.2">https://doi.org/10.53255/IGFTUBE.IGF23.2</a>
Numerical evaluation and experimental comparison of elasto plastic stress strain distribution around	E. Armemtani, F. Caputo, G. Lamanna, R. Sepe	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.3">https://doi.org/10.53255/IGFTUBE.IGF23.3</a>
Numerical modeling of aluminum alloys fracture for automotive applications	L. Cavazzoni, G. Mischia, V. Rotondella, A. Baldini	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.4">https://doi.org/10.53255/IGFTUBE.IGF23.4</a>
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Pipeline corrosion failure in an absorption chiller	A. Brotzu, F. Felli, S. Natali, D. Pilone	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.6">https://doi.org/10.53255/IGFTUBE.IGF23.6</a>
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Stress transfer within CNT fibres a FEA approach	N. Montinaro, T. S. Gspann, A. Pantano, J. A. Elliot, A. H. Windle	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.9">https://doi.org/10.53255/IGFTUBE.IGF23.9</a>
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The use of Nanoindentation technique for fracture and	F. D. Morrone, G. Favaro	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.12">https://doi.org/10.53255/IGFTUBE.IGF23.12</a>

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long term creep analysis for materials		
Thermal stress analysis of different full and ventilated disk brakes	C. Baron Saiz, T. Ingrassia, V. Nigrelli, V. Ricotta	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.13">https://doi.org/10.53255/IGFTUBE.IGF23.13</a>
Toughness evaluation of LARES satellite tungsten alloy	A. Brotzu, I. Ciufolini, F. Felli, A. Paolozzi, D. Pilone	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.14">https://doi.org/10.53255/IGFTUBE.IGF23.14</a>
VHCF response of AISI H13 steel assessment of size effects through Gaussian specimens	A. Tridello, D. S. Paolino, G. Chiandussi, M. Rossetto	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.15">https://doi.org/10.53255/IGFTUBE.IGF23.15</a>
Wear behavior of Zn 15Al 1Cu Mg alloy after aging	L. Montesano, A. Pola, M. Gelfi, G. M. La Vecchia	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.16">https://doi.org/10.53255/IGFTUBE.IGF23.16</a>
2D size and shape definition of defects by B scan image analysis	D. Cerniglia, T. Ingassia, M. Scafidi	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.17">https://doi.org/10.53255/IGFTUBE.IGF23.17</a>
A FE Meshless multiscale approach for masonry materials	G. Giambanco, E. La Malfa Ribolla, A. Spada	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.18">https://doi.org/10.53255/IGFTUBE.IGF23.18</a>
A first approach to the experimental study of fracture parameters in opening and mixed mode by caustics	G. La Rosa, F. Lo Savio	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.19">https://doi.org/10.53255/IGFTUBE.IGF23.19</a>
A numerical failure analysis of multi bolted joints in FRP laminates based on basalt fibers	F. Nerilli, M. Marino, G. Vairo	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.20">https://doi.org/10.53255/IGFTUBE.IGF23.20</a>
An evaluation of size effect in CTOD SENB fracture toughness tests	M. Palombo, S. Sandon, M. De Marco	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.21">https://doi.org/10.53255/IGFTUBE.IGF23.21</a>
An investigation on the fatigue based delamination of woven carbon epoxy composite laminates reinforced with polyamide nanofibers	G. Minak, A. Zucchelli, T.M. Brugo, M. Fotouhi, H. Saghafi	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.22">https://doi.org/10.53255/IGFTUBE.IGF23.22</a>
Analysis of fatigue damage in shape memory alloys by instrumented indentation	C. Maletta, E. Sgambitterra	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.23">https://doi.org/10.53255/IGFTUBE.IGF23.23</a>
Analytical modelling of the pullout behaviour of synthetic fibers treated with nano silica	E. Radi, L. Lanzoni, A. Sorzia	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.24">https://doi.org/10.53255/IGFTUBE.IGF23.24</a>

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Brittle materials and stress concentrations are they able to withstand	A. Sapora, P. Cornetti, A. Carpinteri, D. Firrao	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.25">https://doi.org/10.53255/IGFTUBE.IGF23.25</a>
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Debonding process of masonry element strengthened with FRP	F. Freddi, E. Sacco	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.31">https://doi.org/10.53255/IGFTUBE.IGF23.31</a>
Densification of high thickness C C composites by Chemical Vapor Infiltration	M. Albano, R. Pastore, A. Delfini, D. Micheli, F. Volpini, M. Marchetti	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.32">https://doi.org/10.53255/IGFTUBE.IGF23.32</a>
Dynamic effects of wind loads on a gravity damper	L. Scappaticci, F. Mariani, N. Bartolini, F. Risi, A. Garinei	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.33">https://doi.org/10.53255/IGFTUBE.IGF23.33</a>
Effects of higher order terms in fracture mechanics of shape memory alloys by digital image correlation	E. Sgambitterra, S. Lesci, C. Maletta	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.34">https://doi.org/10.53255/IGFTUBE.IGF23.34</a>
Evaluation of the relative plastic work factor during the fatigue test	A. Risitano, G. Fargione, G. Patanè, F. Giudice	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.35">https://doi.org/10.53255/IGFTUBE.IGF23.35</a>
Experimental and numerical investigation on shear propagation of subsurface cracks under rolling contact fatigue	G. Donzella, A. Mazzù, C. Petrogalli	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.36">https://doi.org/10.53255/IGFTUBE.IGF23.36</a>

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Experimental determination of compressive residual strength of a carbon epoxy laminate after a near-edge impact	E. Troiani, M.P. Falaschetti, V. Agostinelli	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.37">https://doi.org/10.53255/IGFTUBE.IGF23.37</a>
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Fatigue assessment by thermal analysis during tensile tests on steels	P. Corigliano, V. Crupi, G. Epasto, E. Guglielmino, G. Risitano	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.40">https://doi.org/10.53255/IGFTUBE.IGF23.40</a>
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Fracture toughness of hydrothermally aged epoxy systems with different crosslink density	S. Alessi, M. Di Filippo, G. Pitarresi, M. Scafidi, A. Toscano	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.44">https://doi.org/10.53255/IGFTUBE.IGF23.44</a>
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Improvement of fatigue resistance of a tool steel by surface treatments	L. Montesano, A. Pola, M. Gelfi, G. M. La Vecchia, A. Ghidini, C. Petrogalli	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.49">https://doi.org/10.53255/IGFTUBE.IGF23.49</a>
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Mechanical behavior of aluminum sandwiches made by laser welding	G. Barbieri, F. Cognini, G. Lapi, F. Vivio	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.55">https://doi.org/10.53255/IGFTUBE.IGF23.55</a>
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Mixed mode delamination analysis by a thermodynamically consistent cohesive interface model with independent mode I and mode II fracture energies	F. Parrinello, G. Marannano, G. Borino	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.58">https://doi.org/10.53255/IGFTUBE.IGF23.58</a>
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Natural time analysis of acoustic emissions in Double Edge Notched Tension DENT marble specimens	G. Hloupis, I. Stavrakas, E. D. Pasiou, D. Triantis, S.K. Kourkoulis	<a href="https://doi.org/10.53255/IGFTUBE.IGF23.61">https://doi.org/10.53255/IGFTUBE.IGF23.61</a>

