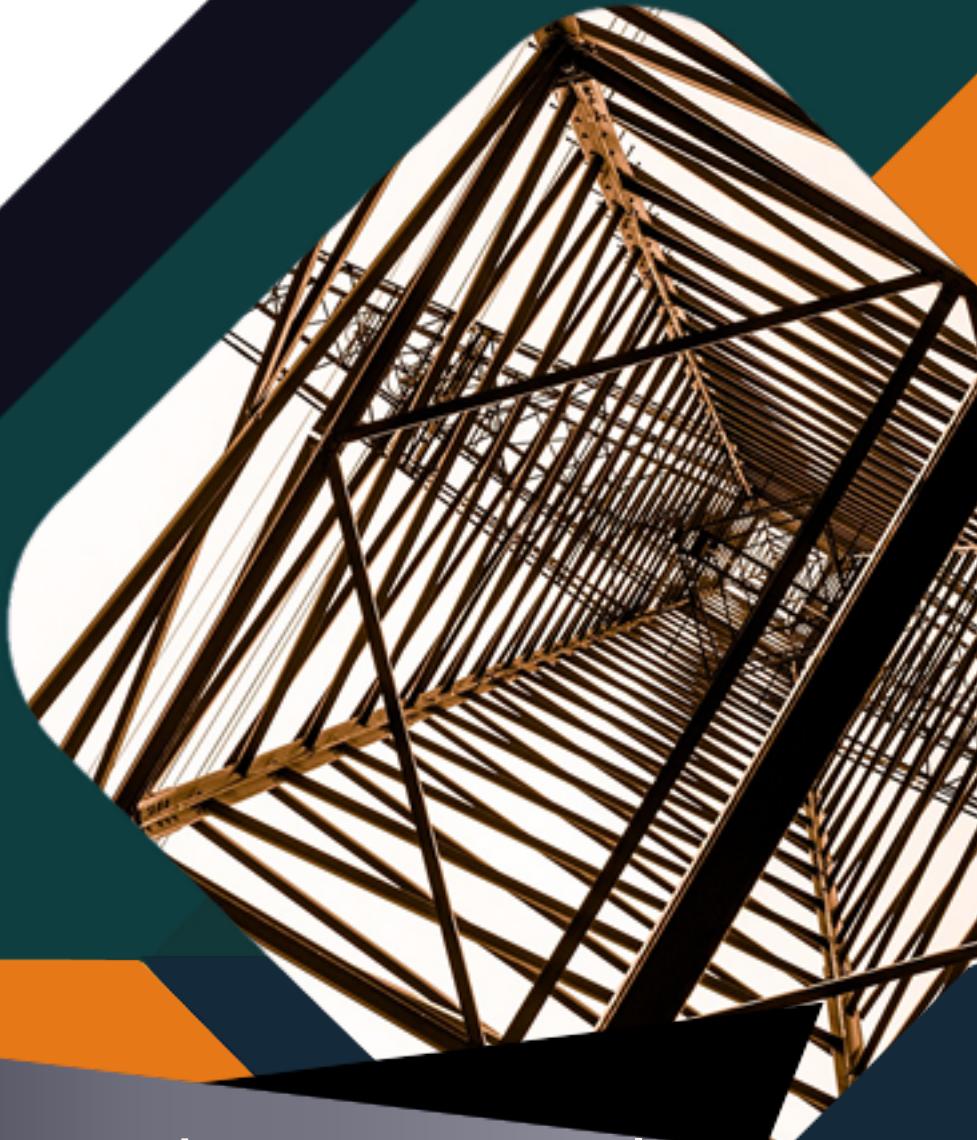


# IGF Video recordings

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IGF26 - 26th International  
Conference on Fracture and  
Structural Integrity



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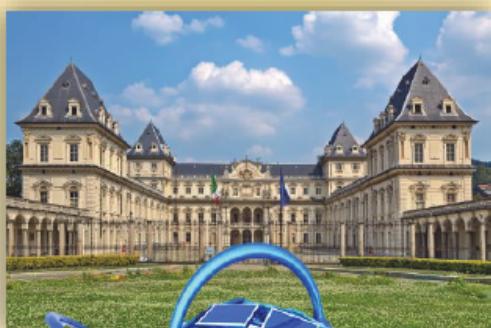
May 26-31, 2021 - Turin



Torino (Italy) & web

## IGF26

26<sup>th</sup> International Conference  
*Fracture and Structural  
Integrity*  
May 26-28, 2021



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### Important Dates

- 28.02.2021: Abstracts submission.
- 14.03.2021: Abstracts notification of acceptance.
- 30.04.2021: Early bird registration
- 30.04.2021: Videopresentations submission.
- 26-28.05.2021: Conference.
- 15.07.2021: Paper submission (after the event).

### Organizing Secretariat

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It will be also possible to pay during the on-site registration (cash). In this case, a supplement of 50 € will be applied.

## VIDEO-PRESENTATIONS

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Design and Analysis of Mesh Size Subjected to Wheel Rim Convergence Using Finite Element Method	Y. Sanjaya, A. R. Prabowo, F. Imaddudin, N. A. Binti Nordin, J. Hyung Cho	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.1">https://doi.org/10.53255/IGFTUBE.IGF26.1</a>
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Assessment of Designed Midship Section Structures subjected to the Hydrostatic loads: A Convergence study	M. Sabiqulkhair Akbar, A. R. Prabowo, F.B. Laksono, S.J. Baek	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.3">https://doi.org/10.53255/IGFTUBE.IGF26.3</a>
Recent Development in Aluminum Matrix Composite Forging: Effect on the Mechanical and physical properties	E.W.A. Fanani, E. Surojo, A.R. Prabowo, D. Ariawan, H. I. Akbar	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.4">https://doi.org/10.53255/IGFTUBE.IGF26.4</a>
Validation and Verification of Fatigue Assessment using FE Analysis: A Study Case on the notched cantilever beam	A. Fajri, A.R. Prabowo, E. Surojo, F. Imaduddin, J.M. Sohn, R. Adiputra	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.5">https://doi.org/10.53255/IGFTUBE.IGF26.5</a>
Fatigue Analysis of Engineering Structures: State of Development and Achievement	A. Fajri, A.R. Prabowo, N. Muhayat, D.F. Smaradhana, A. Bahatmaka	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.6">https://doi.org/10.53255/IGFTUBE.IGF26.6</a>
Structural Assessment of Monocoque Frame Construction using Finite Element Analysis: a study case on a designed vehicle chassis referring to GT40	I. Widiyanto, H. Nubli, F. B. Laksono, A.R. Probow	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.7">https://doi.org/10.53255/IGFTUBE.IGF26.7</a>
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Topology optimization and fatigue analysis of a lifting hook	I.T. Teke, M. Akbulut, A. H. Ertas	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.10">https://doi.org/10.53255/IGFTUBE.IGF26.10</a>
Multi-wall carbon nanotubes do not necessarily improve the fracture behaviour of the epoxy matrix	M. Sanchez, S. Cicero	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.11">https://doi.org/10.53255/IGFTUBE.IGF26.11</a>
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Influence of aluminium casting alloys chemical composition on the interaction with a 304L stainless steel insert	P. Ferro, A. Fabrizi, F. Bonollo, F. Berto	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.16">https://doi.org/10.53255/IGFTUBE.IGF26.16</a>
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On application of distributed FOSs embedded into material for the mechanical state monitoring of civil structures	V. Matveenko, N. Kosheleva, G. Serovaev, G. Gusev	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.23">https://doi.org/10.53255/IGFTUBE.IGF26.23</a>
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Dual energy X-ray method for kidney stones and atherosclerotic plaques structural integrity characterization	N. Martini, V. Koukou, C. Michail, G. Fountos	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.26">https://doi.org/10.53255/IGFTUBE.IGF26.26</a>
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Structural optimization of Composite Steel Trussed-Concrete Beams	E. Congiu, G.C. Marano, B. Briseghella, L. Fenu	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.28">https://doi.org/10.53255/IGFTUBE.IGF26.28</a>
Defect-Driven Topology Optimisation: TopFat algorithm extended to commercial software for wide-ranging applications	R. Caivano, A. Tridello, D. Paolino, F. Berto	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.29">https://doi.org/10.53255/IGFTUBE.IGF26.29</a>
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Lengthwise fracture of functionally graded beams: a study of stress relaxation effects	V. Rizov	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.31">https://doi.org/10.53255/IGFTUBE.IGF26.31</a>
Analysis of delaminated multilayered functionally graded viscoelastic beam	V. Rizov	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.32">https://doi.org/10.53255/IGFTUBE.IGF26.32</a>
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Analysis of the durability of a functional coating against glass stress corrosion	G. Mariggìò, S. Dalle Vacche, R. Bongiovanni, M. Corrado	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.34">https://doi.org/10.53255/IGFTUBE.IGF26.34</a>
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	Moreira, I.J. Sanchez-Arce	
Composite stepped-lap adhesive joint analysis by cohesive zone modelling	R.F.N. Brito, R.D.S.G. Campilho, R.D.F. Moreira, I.J. Sanchez-Arce	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.43">https://doi.org/10.53255/IGFTUBE.IGF26.43</a>
A review porosity in aluminum welding	R.D. Ardika, T. Triyono, N. Muhyat,	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.44">https://doi.org/10.53255/IGFTUBE.IGF26.44</a>
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Fracture parameters of alkali-activated aluminosilicate composites with ceramic precursor: durability aspects	H. Simonova, M. Lipowczan, I. Rozsypalova, P. Danek, D. Lehky, P. Rovnanikova, Z. Kersner	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.52">https://doi.org/10.53255/IGFTUBE.IGF26.52</a>
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Effect of Climate-Induced Parameters on Fracture Properties of Semi-Circular Coated Wooden specimens under three point bending	P. Karvan, S.M.J. Razavi, F. Berto, C. Bertolin	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.60">https://doi.org/10.53255/IGFTUBE.IGF26.60</a>
Finite element analysis of concrete cracking: a comparative study between a refined diffuse interface	U. De Maio, D. Cendon, F. Greco, L. Leonetti, P. N. Blasi, A. Pranno	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.61">https://doi.org/10.53255/IGFTUBE.IGF26.61</a>

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Quasi-static behavior of 3D printed lattice structures of various scales	Z. Xu, E. Medori, F. Sarasini, F. Berto, S.M.J. Razavi	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.68">https://doi.org/10.53255/IGFTUBE.IGF26.68</a>
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Influence of residual stresses on the fatigue endurance in torsionally loaded components	A. Chiocca, F. Frendo, L. Bertini	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.78">https://doi.org/10.53255/IGFTUBE.IGF26.78</a>
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Bending residual strength of damaged Al foam sandwiches through UT and IRT analyses	R. Nobile, F.W. Panella, A. Pirinu, A. Saponaro	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.85">https://doi.org/10.53255/IGFTUBE.IGF26.85</a>
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Shape memory alloy reinforced composites: functional and structural response induced by thermal activation	E.M. Curcio, S. Rodinò, C. Greco, E. Sgambitterra, P. Magarò, C. Maletta	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.106">https://doi.org/10.53255/IGFTUBE.IGF26.106</a>
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Effect of heat treatment on mechanical properties of FeMnAlC alloys	A. Mondal, D. Pilone, A. Brotzu, F. Felli	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.118">https://doi.org/10.53255/IGFTUBE.IGF26.118</a>
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	Torgersen, P.E. Vullum, F. Berto	
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Additive Manufacturing processes for metals and effects of defects on mechanical strength: a review	C. Bellini, V. Di Cocco, F. Iacoviello, L.P. Mocanu, F. Berto, J. Razavi	<a href="https://doi.org/10.53255/IGFTUBE.IGF26.146">https://doi.org/10.53255/IGFTUBE.IGF26.146</a>
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