

ZAPPALORTO MICHELE

DATI ISI WOK

53 Articoli su rivista internazionale di cui

20 su riviste Q1

27 su riviste Q2

3 su riviste Q3

3 su Procedia Engineering (fuori ranking)

643 citazioni di cui 434 senza self citation

h-index 16

- [1] Zappalorto M., Berto F., Lazzarin P. (2007). Fatigue strength of three dimensional welded joints: a synthesis based on the Strain Energy Density over a control volume, *Key Engineering Materials* Vol. 348-349, Advances in Fracture and Damage Mechanics VI, pp. 413-416. **Q3**
- [2] Lazzarin P., Zappalorto M., Yates J.R. (2007). Analytical study of stress distributions due to semi-elliptic notches in shafts under torsion loading. *International Journal of Engineering Science*, Vol. 45, pp. 308-328. **Q1**
- [3] Zappalorto M., Lazzarin P. (2007). Analytical study of the elastic-plastic stress fields ahead of parabolic notches under antiplane shear loading, *International Journal of Fracture*, Vol. 148, pp. 139-154. **Q2**
- [4] Lazzarin P., Livieri P., Berto F., Zappalorto M. (2008). Local strain energy density and fatigue strength of welded joints under uniaxial and multiaxial loading. *Engineering Fracture Mechanics*, Vol. 75, pp. 1875-1889. **Q2**
- [5] Lazzarin P., Berto F., Gomez FJ., Zappalorto M. (2008). Some advantages derived from the use of the strain energy density over a control volume in fatigue strength assessments of welded joints. *International Journal of Fatigue*, Vol. 30, pp. 1345-1357. **Q1**
- [6] Zappalorto M., Lazzarin P., Yates J.R. (2008). Elastic stress distributions resulting from hyperbolic and parabolic notches in round shafts under torsion and uniform antiplane shear loadings. *International Journal of Solids and Structures*, Vol. 45, pp. 4879-4901. **Q1**
- [7] Lazzarin P., Zappalorto M. (2008). Plastic notch stress intensity factors for pointed V-notches under antiplane shear loading. *International Journal of Fracture* Vol. 152, pp. 1-25. **Q2**
- [8] Zappalorto M., Lazzarin P., Berto F. (2009). Elastic Notch Stress Intensity Factors for sharply V-notched rounded bars under torsion. *Engineering Fracture Mechanics*, Vol. 76, pp. 439-453. **Q2**

- [9] Zappalorto M., Lazzarin P. (2009). A new version of the Neuber rule accounting for the influence of the notch opening angle for out-of-plane shear loads. *International Journal of Solids and Structures*, Vol. 46, pp. 1901-1910. **Q1**
- [10] Lazzarin P., Meneghetti M, Berto F. Zappalorto M. (2009). Practical application of the N-SIF approach in fatigue strength assessment of welded joints. *Welding in the World 53 n 3 /4, IIW-1981-08* **Q3**
- [11] Zappalorto M., Lazzarin P. (2010). A unified approach to the analysis of nonlinear stress and strain fields ahead of mode III-loaded notches and cracks. *International Journal of Solids and Structures*, Vol. 47, pp. 851-864. **Q1**
- [12] Atzori B., Zappalorto M., Berto F. (2010). A theoretical treatise for notch and defect sensitivity under torsion. *Mechanics Research Communications*, Vol. 37, pp. 173-176. **Q2**
- [13] Zappalorto M., Lazzarin P., Filippi S. (2010). Stress field equations for U and blunt V-shaped notches in axisymmetric shafts under torsion *International Journal of Fracture*, Vol. 164, pp. 253-269. **Q2**
- [14] Lazzarin P., Berto F., Zappalorto M. (2010). Rapid calculations of notch stress intensity factors based on averaged strain energy density from coarse meshes: Theoretical bases and applications. *International Journal of Fatigue* Vol. 32, pp. 1559-1567. **Q1**
- [15] Zappalorto M., Berto F., Lazzarin P. (2011). Practical expressions for the notch stress concentration factors of round bars under torsion. *International Journal of Fatigue*, Vol. 33, pp. 382-395. **Q1**
- [16] Zappalorto M., Lazzarin P. (2011). In-plane and out-of-plane stress field solutions for V-notches with end holes. *International Journal of Fracture*, Vol 168, pp. 167-180. **Q2**
- [17] Zappalorto M., Lazzarin P. (2011). On the intensity of linear elastic high order singularities ahead of cracks and re-entrant corners. *International Journal of Solids and Structures* Vol. 48, pp. 953-961. **Q1**
- [18] Zappalorto M., Lazzarin P. (2011). Stress fields due to inclined notches and shoulder fillets in shafts under torsion. *The Journal of Strain Analysis for Engineering Design* Vol 46, pp. 187-199. **Q2**
- [19] Zappalorto M., Lazzarin P., Berto F., (2011). Notch Stress Intensity Factors Applied to U and V-Shaped Radiused Notches under In-plane Shear Loading. *Procedia Engineering*, Vol. 10, pp. 1115 - 1120.
- [20] Lazzarin P., Zappalorto M., Berto F., (2011). Generalised stress intensity factors for rounded notches in plates under in-plane shear loading. *International Journal of Fracture*, Volume 170, pp. 123- 144. **Q2**
- [21] Zappalorto M., Salviato M., Quaresimin M. (2011). Assessment of Debonding-Induced Toughening in Nanocomposites. *Procedia Engineering*, Vol. 10, pp. 2982 – 2987.

- [22] Salviato M., Zappalorto M., Quaresimin M. (2011). Plastic Yielding Around Nanovoids. *Procedia Engineering*, Vol. 10, pp. 3325 - 3330.
- [23] Zappalorto M., Lazzarin P. (2011). Strain energy-based evaluations of plastic notch stress intensity factors at pointed V-notches under tension. *Engineering Fracture Mechanics*, Vol. 78 pp. 2691-2706. **Q2**
- [24] Berto F., Zappalorto M. (2011). Fictitious Notch Rounding Concept Applied to V-Notches with End Holes Under Mode I Loading. *International Journal of Fracture*, Vol. 171, pp. 91-98. **Q2**
- [25] Zappalorto M., Salviato M., Quaresimin M. (2011). Influence of the interphase zone on the nanoparticle debonding stress. *Composites Science and Technology* Vol. 72, pp. 49-55. **Q1**
- [26] Salviato M., Zappalorto M., Quaresimin M. (2011). The effect of surface stresses on the critical debonding stress around nanoparticles. *International Journal of Fracture*, Vol. 172, pp. 97-103. **Q2**
- [27] Quaresimin M., Salviato M., Zappalorto M. (2012). Fracture and interlaminar properties of clay-modified epoxies and their glass reinforced laminates. *Engineering Fracture Mechanics*, Vol. 81, pp. 80-93. **Q2**
- [28] F. Berto, M. Zappalorto (2012). The fictitious notch rounding approach applied to V-notches with root holes subjected to mode I loading. *JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN* Volume: 47 Issue: 3 Pages: 176-186.
- [29] Zappalorto M., Salviato, M., Quaresimin, M. (2012). Stress distributions around rigid nanoparticles. *International Journal of Fracture* Vol. 176, pp. 105-112. **Q2**
- [30] Quaresimin M., Salviato M., Zappalorto M. (2012). Strategies for the assessment of nanocomposite mechanical properties. *Composites Part B: Engineering* Vol. 43, pp. 2290-2297. **Q1**
- [31] Berto F., Elices M., Lazzarin P., Zappalorto M. (2012). Fracture behaviour of notched round bars made of PMMA subjected to torsion at room temperature. *Engineering Fracture Mechanics* Vol. 90 , pp. 143-160. **Q2**
- [32] Zappalorto M., Salviato, M., Quaresimin, M. (2012). A multiscale model to describe nanocomposite fracture toughness enhancement by the plastic yielding of nanovoids. *Composites Science and Technology* Vol. 72, pp. 1683-1691. **Q1**
- [33] Zappalorto M., Lazzarin P., (2012). Torsional stress distributions in tubes with external and internal notches. *The Journal of Strain Analysis for Engineering Design*, Vol. 47, pp. 331-340. **Q2**
- [34] Lazzarin P., Zappalorto, M. (2012). A three-dimensional stress field solution for pointed and sharply radiused V-notches in plates of finite thickness. *Fatigue and Fracture of Engineering Materials and Structures*. Volume 35, Issue 12, pages 1105–1119. **Q2**
- [35] Salviato M., Zappalorto M., Quaresimin M. (2013). Plastic shear bands and fracture toughness improvements of nanoparticle filled polymers: A multiscale

analytical model. *Composites Part A: Applied Science and Manufacturing*, Vol. 48, pp. 144–152. **Q1**

- [36] Zappalorto M., Lazzarin P. (2013). Three-dimensional elastic stress fields ahead of notches in thick plates under various loading conditions. *Engineering Fracture Mechanics*, Vol. 108 pp. 75–88. **Q2**
- [37] Salviato M., Zappalorto M., Quaresimin M. (2013). Nanoparticle debonding strength: A comprehensive study on interfacial effects. *International Journal of Solids and Structures*, Vol. 50, pp. 3225–3232. **Q1**
- [38] Zappalorto M., Lazzarin P. (2013). J-Integral for Deep and Shallow Notches Under Torsion. *International Journal of Fracture*, Vol. 181, pp. 301-308. **Q2**
- [39] Zappalorto M., Salviato M., Quaresimin M. (2013). Mixed mode (I + II) fracture toughness of polymer nanoclay nanocomposites. *Engineering Fracture Mechanics*, Vol. 111, pp. 50–64. **Q2**
- [40] Zappalorto M., Salviato M., Pontefisso A., Quaresimin M. (2013). Notch effect in clay-modified epoxy: a new perspective on nanocomposite properties. *Composite Interfaces*, Vol. 20, pp. 405–419. **Q3**
- [41] Pontefisso A., Zappalorto M., Quaresimin M. (2013). Influence of interphase and filler distribution on the elastic properties of nanoparticle filled polymers. *Mechanics Research Communications*, Vol. 52, pp. 92– 94. **Q2**
- [42] Quaresimin M., Salviato M., Zappalorto M. (2014). A multi-scale and multi-mechanism approach for the fracture toughness assessment of polymer nanocomposites. *Composites Science and Technology*. Vol. 91, pp. 16-21.
- [43] Zappalorto M., Lazzarin P (2014). Some remarks on the Neuber rule applied to a control volume surrounding sharp and blunt notch tips. *Fatigue and Fracture of Engineering Materials and Structures*, Vol. 37, pp. 349–358.
- [44] Zappalorto M, Carraro PA (2014). Stress fields at sharp angular corners in thick anisotropic composite plates. *Composite Structures*, volume 117, pp. 346-353.
- [45] Lazzarin P, Zappalorto M, Berto F (2014). Averaged strain energy density and J-integral for U- and blunt V-shaped notches under torsion. *International Journal of Fracture*, volume 188, pp. 173-186.
- [46] Quaresimin, M Bertani, Zappalorto, M, Pontefisso, A, Simionato, F, Bartolozzi, A (2015). Multifunctional polymer nanocomposites with enhanced mechanical and anti-microbial properties. *Composites Part B-Engineering*. Volume: 80 pp 108-115.
- [47] Zappalorto M, Pontefisso A, Fabrizi A, Quaresimin M (2015). Mechanical behaviour of epoxy/silica nanocomposites: Experiments and modelling. *Composites Part A-Applied Science And Manufacturing*, 72, pp. 58-64.
- [48] Zappalorto M, Carraro PA, Quaresimin M. Analytical solution for the three-dimensional stress fields in anisotropic composite bimaterial corners. *Composite Structures*, Volume: 122, pp. 127-138.

- [49] Zappalorto M, Carraro PA (2015). Stress distributions for blunt cracks and radiused slits in anisotropic plates under in-plane loadings. *International Journal of Solids and Structures*, volume 56-57, pp. 136-141.
- [50] Lazzarin P., Zappalorto M., Berto F. (2015). Three-dimensional stress fields due to notches in plates under linear elastic and elastic-plastic conditions. *Fatigue & Fracture Of Engineering Materials & Structures*, volume 38, pp. 140-153.
- [51] Pontefisso A, Zappalorto M, Quaresimin M (2015). An efficient RVE formulation for the analysis of the elastic properties of spherical nanoparticle reinforced polymers. *Computational Materials Science*, volume 96, pp. 319-326.
- [52] Zappalorto M, Carraro PA (2015). An engineering formula for the stress concentration factor of orthotropic composite plates. *Composites Part B-Engineering*. volume 68, pp. 51-58.
- [53] M. Zappalorto, D. Kujawski (2015). Neuber's rules and other solutions: Theoretical differences, formal analogies and energy interpretations. *Theoretical and Applied Fracture Mechanics*, Vol. 79, pp. 2-13.
- [54] P.A. Carraro, M. Zappalorto, M. Quaresimin (2015). A comprehensive description of interfibre failure in fibre reinforced composites. *Theoretical and Applied Fracture Mechanics*, Vol. 79, pp. 91-97.
- [55] P.A. Carraro, M. Zappalorto, M. Quaresimin (2016). Health monitoring of cross-ply laminates: Modelling the correlation between damage evolution and electrical resistance change. *Composites Part A: Applied Science and Manufacturing*, Volume 82, March 2016, Pages 151-158.
- [56] M. Quaresimin, K. Schulte, M. Zappalorto, S. Chandrasekaran (2016). Toughening mechanisms in polymer nanocomposites: From experiments to modelling. *Composites Science and Technology*, Volume 123, 8 February 2016, Pages 187-204.
- [57] A. Pontefisso, M. Zappalorto, M. Quaresimin (2016). Effectiveness of the random sequential absorption algorithm in the analysis of volume elements with nanoplatelets. *Computational Materials Science*, Volume 117, pp. 511-517.
- [58] M. Zappalorto, F. Berto, K. R. Rajagopal (2016). On the anti-plane state of stress near pointed or sharply radiused notches in strain limiting elastic materials: closed form solution and implications for fracture assessments. *International Journal of Fracture* , Volume 199, pp. 169–184.
- [59] Salviato M, Zappalorto M., (2016). A unified solution approach for a large variety of antiplane shear and torsion notch problems: Theory and examples. *International Journal of Solids and Structures*, Vol. 102-103, pp. 10-20.
- [60] Meneghetti G., Zappalorto M (2017). On the use of the peak stress method to assess the linear elastic and the fatigue notch factors of notched components under tension. *Fatigue and Fracture of Engineering Materials and Structures*, Vol. 40, pp. 1917-1927.

- [61] Carraro P.A., Novello E., Quaresimin M., Zappalorto M. (2017). Delamination onset in symmetric cross-ply laminates under static loads: Theory, numerics and experiments. *Composite Structures*, Vol. 176, pp. 420-432.
- [62] Zappalorto M., Panozzo F., Carraro P.A., Quaresimin M. (2017). Electrical response of a laminate with a delamination: modelling and experiments. *Composites Science and Technology*, Vol. 143, 31-45
- [63] Zappalorto M., Carraro P.A. (2017). "Two-dimensional stress distributions in tensioned orthotropic plates weakened by blunt V-shaped notches. *Fatigue and Fracture of Engineering Materials and Structures*, Vol. 40, pp. 804-819.
- [64] Bartolozzi A., Bertani R., Burigo E., Fabrizi A., Panozzo F., Quaresimin M., Simionato F., Sgarbossa P., Tamburini S., Zappalorto M., Zorzi F. (2017). Multifunctional Cu²⁺-montmorillonite/epoxy resin nanocomposites with antibacterial activity. *Journal of Applied Polymer Science*, Vol. 134, pp.
- [65] Panozzo F., Zappalorto M., Quaresimin M. (2017). Analytical model for the prediction of the piezoresistive behavior of CNT modified polymers. *Composites Part B: Engineering*, Vol. 109, pp. 53-63.
- [66] Zappalorto M. (2017). On the stress state in rectilinear anisotropic thick plates with blunt cracks. *Fatigue and Fracture of Engineering Materials and Structures*. Vol. 40, pp. 103-119.
- [67] Rajagopal K.R., Zappalorto M. (2017). Bodies described by non-monotonic strain-stress constitutive equations containing a crack subject to anti-plane shear stress. *International Journal of Mechanical Sciences*, in press.
- [68] Zappalorto M., Carraro P.A. (2018). Neuber fictitious notch rounding approach reformulated for orthotropic materials. *Engineering Fracture Mechanics*, Vol. 191, pp.441-445
- [69] Zappalorto M., Maragoni L. (2018). Nonlinear mode III crack stress fields for materials obeying a modified Ramberg-Osgood law. *Fatigue and Fracture of Engineering Materials and Structures*, Vol 41, pp. 708-714
- [70] Panozzo F., Zappalorto M., Carraro P.A., Quaresimin M. (2018). Electrical resistance change vs damage state in cracked symmetric laminates: A closed form solution. *Composite Structures*, Vol. 184, pp. 1081-1091

(b) NATIONAL JOURNALS

- [71] Lazzarin P., Zappalorto M., Berto F. (2006). Comportamento a fatica multiassiale di unioni saldate in acciaio e lega leggera in funzione dell'energia di deformazione locale, *Rivista Italiana della Saldatura*, N. 4, 537-544.
- [72] M. Zappalorto, F. Berto, P. Lazzarin (2008). Densità di energia di deformazione locale e resistenza a fatica di giunti saldati di geometria complessa *Frattura ed Integrità Strutturale*, 3 11-17; DOI: 10.3221/IGF-ESIS.03.02.
- [73] M. Zappalorto, P. Lazzarin (2009). Distribuzioni di tensione per intagli soggetti

a torsione in condizioni elastiche ed elastoplastiche. *Frattura ed Integrità Strutturale*, 7 29-56; DOI: 10.3221/IGF-ESIS.07.03.

(c) INTERNATIONAL CONFERENCES

- [74] Zappalorto M., Berto F., Lazzarin P. (2007). Fatigue strength of three dimensional welded joints: a synthesis based on the Strain Energy Density over a control volume, 6th International Conference on Fracture and Damage Mechanics, 17-19 July 2007, Madeira, Portugal.
- [75] Lazzarin P., Meneghetti G., Berto F., Zappalorto M. (2008). Practical application of the N-SIF approach in fatigue strength assessment of welded joints Presented to Commission XIII at the Annual Assembly of the International Institute of Welding Graz, Austria, July 2008 Delegation of Italy XIII-2226-08 13 June 2008.
- [76] Zappalorto M., Lazzarin P. (2009). Plastic Notch Stress Intensity Factors and Strain Energy Density for Pointed V-Notches under Torsion. XII International Conference on Fracture, Ottawa, Canada, July 12-17 2009.
- [77] Berto F., Lazzarin P., Zappalorto M., Gomez M. (2009). Practical Advantages of the Local Strain Energy Approach for Fatigue Strength Assessments of Welded Joints. XII International Conference on Fracture, Ottawa, Canada, July 12-17 2009.
- [78] Zappalorto M., Filippi S., Lazzarin P. (2009). Some Expressions for the Stress Fields to Analyse Crack Initiation and Early Propagation Phases in Notched Shafts Under Torsion. International Conference on Crack Paths (CP 2009). Vicenza, Italy, September 23-25 2009.
- [79] Meneghetti G., Zappalorto M., Lazzarin P. (2009). Experimental and Numerical Study of Fatigue Crack Growth in Notched Specimens. International Conference on Crack Paths (CP 2009). Vicenza, Italy, September 23-25 2009.
- [80] Quaresimin M. Zappalorto M., Salviato M. (2009). Modelling strategies for nanocomposite toughening: a review. 9th Experimental techniques and design in composite materials, Vicenza - Italy September 30-October 2 2009.
- [81] Carraro P, Quaresimin M, Salviato M, Zappalorto M. (2010). Interlaminar properties of clay-modified epoxy-glass reinforced laminates. 14TH European Conference On Composite Materials. 7-10 June 2010, Budapest, Hungary.
- [82] Quaresimin M, Zappalorto M., Salviato M. (2010). On the prediction of nanocomposites mechanical properties. 14TH European Conference On Composite Materials. 7-10 June 2010, Budapest, Hungary.
- [83] Quaresimin M., Zappalorto M. Salviato M. (2010). On the prediction of nanocomposites mechanical properties. 2nd International Conference on Nanomechanics and Nanocomposites, Beijing, China, 10-13 October 2010.

- [84] Quaresimin M., Zappalorto M., Salviato M. Improvements of composite laminates properties by nanomodification. *NanotechItaly*, Venice, 20-22 October 2010.
- [85] Salviato M., Zappalorto M. (2011). Analytical study of the surface stress effects on the critical debonding stress around nanoparticles. The 13th International Conference on Mesomechanics (Mesomechanics 2011). Vicenza, Italy, July 6-8 2011.
- [86] Salviato M., Zappalorto M., Quaresimin M. The effect of the interphase zone and surface stresses on the critical debonding stress around nanoparticles. *4th ECNP Young Researchers Conference*, Lyon, 7-10 November 2011.
- [87] Zappalorto M., Lazzarin P., Berto F. (2011). Linear elastic high order singularities resulting from elastic-plastic crack tip stress fields. The 13th International Conference on Mesomechanics (Mesomechanics 2011). Vicenza, Italy, July 6-8 2011.
- [88] Pontefisso A., Zappalorto M., Quaresimin M. (2012). Modelling of the elastic properties of nanoparticle filled resins. Proceedings of ECCM15 - 15TH EUROPEAN CONFERENCE ON COMPOSITE MATERIALS, Venice, Italy, 24-28 June 2012.
- [89] Salviato M., Zappalorto M., Quaresimin M., Florio M., Dalla Via A. (2012). Mixed mode fracture toughness of cracked specimens made of nanomodified epoxy resin. Proceedings of ECCM15 - 15TH EUROPEAN CONFERENCE ON COMPOSITE MATERIALS, Venice, Italy, 24-28 June 2012.
- [90] Salviato M., Zappalorto M., Quaresimin M. (2012). fracture toughness improvements due to plastic shear bands around nanoparticles. Proceedings of ECCM15 - 15TH EUROPEAN CONFERENCE ON COMPOSITE MATERIALS, Venice, Italy, 24-28 June 2012.
- [91] Zappalorto M., Salviato M., Quaresimin M. (2012). Fracture toughness enhancements in nanocomposites: a multiscale model. Proceedings of ECCM15 - 15TH EUROPEAN CONFERENCE ON COMPOSITE MATERIALS, Venice, Italy, 24-28 June 2012.
- [92] Salviato M., Pontefisso A., Zappalorto M., Quaresimin M., Santi M. (2012). Fracture toughness of nanomodified epoxy resins and glass reinforced laminates. Proceedings of ECCM15 - 15TH EUROPEAN CONFERENCE ON COMPOSITE MATERIALS, Venice, Italy, 24-28 June 2012.
- [93] Zappalorto M., Salviato M., Quaresimin M. (2012). Multiscale modelling of nanocomposite fracture toughness. *Interface 21*, The International Conference on Composite Interfaces August 6-8, 2012, Kyoto, Japan.
- [94] Zappalorto M., Lazzarin P. (2012). Three-dimensional stress distributions ahead of sharply radiused V-notches in finite thick plates. *International Conference on Crack Paths (CP 2012)*. Gaeta, Italy, September 19-21 2012.
- [95] Lazzarin M., Zappalorto M., Berto F. (2013). Recent developments in multi-parametric three-dimensional stress field representation in plates weakened by

cracks and notches. Second IJFatigue & FFEMS Joint Workshop. Malaga, Spain, April 15-17 2013.

- [96] Quaresimin M, Zappalorto M., Salviato M., Pontefisso A. Fracture toughness and notch sensitivity of clay-epoxy nanocomposites under mixed mode loadings. IC4N- The 4th International Conference from Nanoparticles and Nanomatierials to Nanodevices and Nanosystems. Corfù, Greece, June 16-20, 2013.
- [97] Zappalorto M., Salviato M., Quaresimin M. Mixed mode fracture behavior of epoxy/nanoclay nanocomposites. The 19th International Conference on Composite Materials. Montreal, Canada, July 28th- August 2nd, 2013.
- [98] Quaresimin M., Salviato M., Zappalorto M.. Multiscale Modelling of Nanocomposite Fracture Toughness. The 3rd International Conference on Nanomechanics and Nanocomposites (ICNN-3), May 22-25, 2014, Hong Kong, China
- [99] Zappalorto M., Salviato M., Pontefisso A., Quaresimin M. Experimental study on the notch effect in clay-modified epoxy resins. The 3rd International Conference on Nanomechanics and Nanocomposites (ICNN-3), May 22-25, 2014, Hong Kong, China
- [100] R. Bertani, M. Quaresimin, M. Zappalorto, A.Pontefisso, F. Simionato, A. Bartolozzi. Multifunctional nanocomposites with enhanced mechanical and anti-microbial properties. ECCM16 - 16th European Conference On Composite Materials, Seville, Spain, 22-26 June 2014.
- [101] M. Zappalorto, A. Pontefisso, M. Quaresimin, A. Fabrizi. Fracture behavior of epoxy/nanoparticle nanocomposites at low and high temperature. ECCM16 - 16TH European Conference On Composite Materials, Seville, Spain, 22-26 June 2014.
- [102] M. Zappalorto, P.A. Carraro, F. Panozzo, M. Quaresimin. Self sensing glass/epoxy cross-ply laminates for damage monitoring: an analytical model. 20th International Conference on Composite Materials. Copenhagen, 19-24th July 2015.
- [103] P. Ferro, M. Zappalorto. The strain energy density approach applied to cyclic and transient thermo-mechanical problems. 4th International Conference of Engineering Against Failure. 24-26 June 2015 Skiathos, Greece.
- [104] M. Zappalorto, F. Berto. Recent advances in the three-dimensional stress fields analysis of elastic and elastic-plastic notched plates. 4th International Conference of Engineering Against Failure. 24-26 June 2015 Skiathos, Greece.
- [105] P.A. Carraro, F. Panozzo, M. Quaresimin M. Zappalorto. Modelling the damage monitoring capability of conductive glass/epoxy laminates. International Workshop on Structural Health Monitoring 2015 (IWSHM 2015), September 1-3, 2015, Stanford University, Stanford, CA - USA.
- [106] M. Zappalorto, P.A. Carraro, M. Quaresimin, F. Panozzo. Self sensing glass/epoxy cross-ply laminates for damage monitoring. 20th International Conference on Composite Materials, Copenhagen, 19-24th July 2015.

- [107] E. Novello, P. A.C. Carraro, M. Zappalorto, M. Quaresimin. Initiation of delaminations induced by transverse cracks in cross-ply laminates under static loadings: modelling and experiments. Proceedings of ECCM17 - 17TH European Conference On Composite Materials, Munich, Germany, 26-30th June 2016.
- [108] P.A. Carraro, F. Panozzo, M. Quaresimin, M. Zappalorto. Modelling the correlation between the damage state and the electrical resistance change in symmetric laminates. Proceedings of ECCM17 - 17TH European Conference On Composite Materials, Munich, Germany, 26-30th June 2016.
- [109] P.A. Carraro, M. Quaresimin, M. Zappalorto. On the inter-fibre failure in fibre reinforced composites. Proceedings of ECCM17 - 17TH European Conference On Composite Materials, Munich, Germany, 26-30th June 2016.
- [110] Panozzo F., Zappalorto M., Quaresimin M. An analytical and experimental study on the piezoresistive behaviour of polymers doped with carbon nanotubes. Proceedings of the 8th European Workshop on Structural Health Monitoring, EWSHM 2016.
- [111] Zappalorto M., Panozzo F., Carraro P.A., Quaresimin M. Damage monitoring in symmetric laminates: An analytical model for the correlation between the damage state and the electrical resistance. Proceedings of the 8th European Workshop on Structural Health Monitoring, EWSHM 2016.

(d) NATIONAL CONFERENCES

- [112] Lazzarin P., Berto F. e Zappalorto M. (2005). Resistenza a fatica di giunti testa testa in funzione del valore medio della densità di energia di deformazione. XXXIV Convegno AIAS, Milano 14-17 Settembre 2005.
- [113] Lazzarin P., Zappalorto M. e Berto F. (2006). Comportamento a fatica multiassiale di unioni saldate in acciaio e lega leggera in funzione dell'energia di deformazione locale. XXXV Convegno AIAS, Ancona 13-16 Settembre.
- [114] Zappalorto M., Berto F. e Lazzarin P. (2007). Una sintesi delle proprietà di resistenza a fatica di giunti saldati di geometria complessa basata sulla densità di energia di deformazione locale, atti del congresso IGF 19 Milano, 2-4 luglio 2007, pp. 257-264.
- [115] Zappalorto M., Berto F. e Lazzarin P. (2007). Densità di energia di deformazione locale e resistenza a fatica di giunti saldati con irrigidimenti longitudinali e trasversali. XXXVI Convegno AIAS, Ischia 4-8 Settembre.
- [116] Lazzarin P., Zappalorto M. e Yates J.R. (2007). Studio analitico delle distribuzioni di tensione lineari elastiche dovute a intagli semiellittici in alberi soggetti a torsione. XXXVI Convegno AIAS, Ischia 4-8 Settembre.
- [117] Zappalorto M., Lazzarin P. (2009). Soluzioni in forma chiusa per le distribuzioni di tensione indotte da intagli soggetti a torsione in condizioni elastiche ed elastoplastiche, Giovani ricercatori IGF, Trieste 21-24

- [118] Zappalorto M., Lazzarin P., Yates J.R. (2008). Distribuzioni lineari elastiche delle tensioni per intagli parabolici o iperbolici in alberi soggetti a torsione. XXXVII Convegno AIAS, Roma 10-13 Settembre.
- [119] Zappalorto M., Lazzarin P. (2008). Studio analitico delle distribuzioni di tensione elastoplastiche indotte da intagli parabolici soggetti a taglio antiplanare. XXXVII Convegno AIAS, Roma 10-13 Settembre.
- [120] Zappalorto M. (2009). Intensità dei campi asintotici di tensione in regime non lineare. XXXVIII Convegno AIAS, Torino 9-12 Settembre.
- [121] Quaresimin M., Zappalorto M., Salviato M. (2009). Metodologie di modellazione delle proprietà meccaniche dei nanocompositi. XXXVIII Convegno AIAS, Torino 9-12 Settembre.
- [122] Salviato M., Zappalorto M. (2010). Modellazione multiscala del meccanismo di debonding in nanocompositi a matrice polimerica. XXXIX Convegno AIAS, Maratea 7-10 Settembre
- [123] Quaresimin M., Zappalorto M., Salviato M. (2010). Resistenza interlaminare di laminati in composito vetro/epossidica nanomodificati. XXXIX Convegno AIAS, Maratea 7-10 Settembre.
- [124] Lazzarin P., Zappalorto M. (2010). Sull'esistenza dei termini di tensione elastici più singolari presenti in componenti criccati. XXXIX Convegno AIAS, Maratea 7-10 Settembre.
- [125] Salviato M., Zappalorto M., Quaresimin M. (2011). Studio del danneggiamento indotto dal debonding di nano particelle. XL Convegno AIAS, Palermo 7-10 Settembre.
- [126] Zappalorto M., Salviato M., Quaresimin M. (2011). Modellazione dell'effetto tenacizzante indotto dallaplasticizzazione di nano vuoti. XL Convegno AIAS, Palermo 7-10 Settembre.
- [127] Lazzarin P., Zappalorto M., Berto P. (2011). Fattori di intensificazione delle tensioni per intagli raccordati soggetti a modo II. XL Convegno AIAS, Palermo 7-10 Settembre.
- [128] Zappalorto M., Salviato M., Quaresimin M. (2012). Fracture toughness enhancements in nanocomposites: a multiscale model. 41 Convegno AIAS, Vicenza 5-8 Settembre 2012.
- [129] Zappalorto M., Lazzarin P. (2012). Three-Dimensional Stress Distributions Ahead Of Sharply Radiused V-Notches In Finite Thick Plates. 41 Convegno AIAS, Vicenza 5-8 Settembre 2012.
- [130] Zappalorto M., Salviato M., Quaresimin M. (2013). Mixed mode fracture behavior of epoxy/nanoclay nanocomposites. 42° Convegno AIAS, Salerno, 11-14 Settembre 2013.
- [131] M. Zappalorto, A. Pontefisso, M. Quaresimin, R. Bertani, F. Simionato, A. Bartolozzi. Nanocompositi avanzati con proprietà multifunzionali. 43°

CONVEGNO NAZIONALE, 9-12 SETTEMBRE 2014, ALMA MATER STUDIORUM – UNIVERSITÀ DI BOLOGNA.

- [132] A. Pontefisso, M. Zappalorto, A. Fabrizi, N. De Rossi, M. Quaresimin. Resistenza e tenacità di nanocompositi in epossidica/silice. 43° CONVEGNO NAZIONALE, 9-12 SETTEMBRE 2014, ALMA MATER STUDIORUM – UNIVERSITÀ DI BOLOGNA.
- [133] P.A. Carraro, M. Quaresimin, M. Zappalorto. Un modello analitico per la valutazione del danneggiamento in laminati conduttivi attraverso misure di resistenza elettrica. 44° CONVEGNO NAZIONALE, 2-5 SETTEMBRE 2015, – UNIVERSITÀ DI MESSINA.
- [134] M. Zappalorto, P.A. Carraro. Distribuzioni di tensione in componenti intagliati in composito. 44° CONVEGNO NAZIONALE, 2-5 SETTEMBRE 2015, – UNIVERSITÀ DI MESSINA.