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## Publications

- 1) R.Donnini, S.Kaciulis, A.Mezzi, R.Montanari, M.E.Tata, C.Testani, *Caratterizzazione Microchimica dell'interfaccia fibra-matrice nel composito Ti6Al4V-SiC<sub>f</sub>*, *La Metallurgia Italiana* 10 (2007) 15-20.
- 2) R.Donnini, S.Kaciulis, A.Mezzi, R.Montanari, C.Testani, *Ti6Al4V-SiC<sub>f</sub> composite: evolution of fiber-matrix interface during heat treatments*, Conference Applied Mechanics 2007, Malenovice, Czech Republic, April 16-19, 2007
- 3) R.Donnini, R.Montanari, L.Santo, V.Tagliaferri, N.Ucciardello, *Implementation of Neural Network for the Thrust Force and Torque Prediction in Hot Drilling of 6082 Aluminium Alloy*, Recent research developments in computational materials science, engineering methods and industrial applications, (Ed. Girolamo Costanza), Pushpa Publishing House, in print.
- 4) R.Donnini, S.Kaciulis, A.Mezzi, R.Montanari, C.Testani, *Composite of Ti6Al4V and SiC fibres: evolution of fibre-matrix interface during heat treatments*, *Surface Interface Analysis* 40 (2008), 277-280
- 5) R.Donnini, S.Kaciulis, A.Mezzi, R.Montanari, C.Testani, *Long-Term Heat Treatments on Ti6Al4V-SiC<sub>f</sub> Composite. Part I –Microstructural Characterization*, *Materials Science Forum* 604-605 (2009), 331-340.
- 6) P.Deodati, R.Donnini, R.Montanari, C.Testani, T.Valente, *Long-Term Heat Treatments on Ti6Al4V-SiC<sub>f</sub> Composite. Part II - Mechanical Characterization*, *Materials Science Forum* 604-605 (2009), 341-350.
- 7) P.Deodati, R.Donnini, R.Montanari, C.Testani, *High temperature damping behaviour of Ti6Al4V-SiC<sub>f</sub> composite*, *Materials Science and Engineering A* (2009), in print.
- 8) S.Amadori, E.Bonetti, L.Pasquini, P.Deodati, R.Donnini, R.Montanari, C.Testani, *Low temperature anelasticity in Ti6Al4V alloy and Ti6Al4V-SiC<sub>f</sub> composite*, *Materials Science and Engineering A* (2009), in print.
- 9) S.Amadori, E.Bonetti, P.Deodati, R.Donnini, R.Montanari, L.Pasquini, C.Testani, *Comportamento anelastico del composito Ti6Al4V/SiC<sub>f</sub> e della corrispondente lega monolitica*, proceedings of 32<sup>th</sup> National Congress A.I.M., Ferrara, Italy, Sept.24-26, 2008.
- 10) P.Deodati, R.Donnini, S.Kaciulis, A.Mezzi, R.Montanari, C.Testani, N.Ucciardello, *Anelastic phenomena at the fibre-matrix interface of the Ti6Al4V-SiC<sub>f</sub> composite*, "Progress in Testing and Design of Composite Materials", Trans Tech Publications Inc. (accepted and in review).

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11) P. Deodati, R. Donnini, S. Kaciulis, A. Mezzi, R. Montanari, C. Testani, N. Ucciardello, *Nanostructural Evolution of Fibre-Matrix Interface in Ti6Al4V-SiC<sub>f</sub> Composite*, proceedings of Nanotec 2009 Conference, Rome, April 2009.

12) P. Deodati, R. Donnini, S. Kaciulis, A. Mezzi, R. Montanari, C. Testani and N. Ucciardello, *Microstructural characterization of Ti6Al4V-SiC<sub>f</sub> composite produced by Roll-Bonding Process*, proceedings of Thermec 2009 Conference, Berlin, August 2009.