

## PUBLICATIONS

- Journal**
- Zaccariotto M., Sarego G., Dipasquale D., Shojaei A., Bazazzadeh S., Mudric T., Duzzi M., Galvanetto U. "Discontinuous mechanical problems studied with a peridynamics-based approach", *The Journal of Aerospace Science, Technology and Systems*. (Accepted)
  - Shojaei A., Mudric T., Zaccariotto M., Galvanetto U. "A coupled meshless finite point/Peridynamic method for 2D dynamic fracture analysis", *International Journal of Mechanical Sciences*, Volume 119, Pages 419-431, 2016.
  - Galvanetto U., Mudric T., Shojaei A., Zaccariotto M. "An effective way to couple FEM meshes and Peridynamics grids for the solution of static equilibrium problems", *Mechanics Research Communications*, Volume 76, Pages 41-47, 2016.
  - Mudric T., Giacomuzzo C., Francesconi A., Galvanetto U. "Experimental Investigation of the Ballistic Response of Composite Panels Coupled with a Self-Healing Polymeric Layer", *Journal of Aerospace Engineering*, Volume 29, Issue 6, 2016.
  - Francesconi A., Giacomuzzo C., Grande A.M., Mudric T., Zaccariotto M., Etemadi E., Di Landro L., Galvanetto U. "Comparison of self-healing ionomer to aluminium-alloy bumpers for protecting spacecraft equipment from space debris impacts", *Advances in Space Research*, Volume 51, Issue 5, Pages 930-940, 2013.
- Proceedings**
- Siomioni E., Re C., Mudric T., Pommerol A., Thomas N., Cremonese G. (2017). "A photogrammetric pipeline for the 3D reconstruction of CaSSIS images on board ExoMars TGO". *2017 International Symposium on Planetary Remote Sensing and Mapping*, 13-16 August 2017, Hong Kong, China.
  - Zaccariotto M., Sarego G., Dipasquale D., Shojaei A., Mudric T., Duzzi M., Galvanetto U. (2015). "Discontinuous mechanical problems studied with a peridynamics-based approach". *23rd Conference of the Italian Association of Aeronautics and Astronautics*, 17-19 November 2015, Turin, Italy.
  - Mudric T., Francesconi A., Giacomuzzo C., Galvanetto U., Grande A.M., Di Landro L. (2014). "High velocity impact behavior of composite sandwich panels with self-healing capabilities". *65th International Astronautical Congress*, 29 September – 3 October 2014, Toronto, Canada.
  - Mudric T., Francesconi A., Giacomuzzo C., Galvanetto U., Zaccariotto M., Grande A.M., Di Landro L. (2013). "High velocity impact of an aluminum sphere on a multifunctional panel". *64th Aeroballistics Range Association Meeting*, 6-11 October 2013, Destin, FL, United States of America.
  - Mudric T., Galvanetto U., Francesconi A., Giacomuzzo C., Zaccariotto M., Grande A.M., Di Landro L. (2013). "Impact behavior of a simple multifunctional plate structure". *19th International Conference on Composite Materials ICCM*, 28 July - 3 August 2013, Montréal, Canada.
  - Mudric T., Giacomuzzo C., Galvanetto U., Francesconi A., Zaccariotto M., Grande A.M., Di Landro L. (2012). "Impact tests and simulations for multifunctional materials". *15th European Conference on Composite Materials ECCM*, 24-28 June 2012, Venice, Italy.
  - Mudric T., Jelenic G. "Triangular finite element for moderately thick plate analysis using linked interpolation". *Proceedings of the University of Rijeka, Faculty of Civil Engineering*, book XIV, Pages 189-207 (Croatian text), 2011.