

Name of teacher:	Teo Mudrić
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Employed at: Since:	University of Rijeka, Faculty of Civil Engineering 01.05.2019.
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Academic rank: Since: In:	Assistant professor 2019. Engineering mechanics, Basic engineering sciences, Engineering sciences
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Knowledge of foreign languages:	English, italian
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Qualifications	- date of birth, nationality: 11 September 1985, croatian - First degree obtained at: Faculty of Civil Engineering, University of Rijeka, Croatia (2010) - Ph.D. degree obtained at: Center for Studies and Activities for Space "G. Colombo", University of Padua, Italy (2014) - additional education: - previous employments: Department of Industrial Engineering, University of Padova, Italy, 2014-2016 INAF – National Institute of Astrophysics, Padova, Italy, 2016-2019
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List of papers published in scientific journals	➤ Mudrić T., Čeh N., Jelenić G., Hante S., Arnold, M.; Free Rocking of a Rigid Block on a Flexible Structure with Non-Smooth Contact Dynamics; Applied sciences; 2024; 14 (15). ➤ Simioni E., Re C., Mudric T., Cremonese G., Tulyakov S., Petrella A., Pommerol A., Thomas N.; 3DPd: A photogrammetric pipeline for a PUSH frame stereo cameras; Planetary and Space Science; 2021; Vol 198. ➤ Re C., Tulyakov S., Simioni E., Mudric T., Cremonese G., Thomas N.; Performance evaluation of 3DPD, the photogrammetric pipeline for the CaSSIS stereo images; The international Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences; 2019; XLII-2/W13, 1443–1449. ➤ Zaccariotto, M., Mudric, T., Tomasi, D., Shojaei, A., Galvanetto, U.; Coupling of FEM meshes with Peridynamics grids; Computer Methods in Applied Mechanics and Engineering; 2018; 330; 471-497. ➤ 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, Technologies and Systems; 2017; 96. ➤ 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; 2016; 119; 419-431. ➤ 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; 2016; 76; 41-47. ➤ 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; 2016; 29 (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
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	to aluminium-alloy bumpers for protecting spacecraft equipment from space debris impacts; Advances in Space Research; 2013; 51 (5); 930-940.
List of publications which serve as a proof of teaching qualifications	➤ Zaccariotto, M., Mudric, T., Tomasi, D., Shojaei, A., Galvanetto, U.; Coupling of FEM meshes with Peridynamics grids; Computer Methods in Applied Mechanics and Engineering; 2018; 330; 471-497. ➤ 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, Technologies and Systems; 2017; 96. ➤ 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; 2016; 119; 419-431. ➤ 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; 2016; 76; 41-47.
Leader of the following research projects	➤ Integration schemes with fixed time step size for non-smooth dynamical systems with contact and friction; Ministry of Science and Education of the Republic of Croatia; 2024-2025. ➤ Parameter analysis and calibration for the numerical modeling of a rigid block rocking on an elastic beam - the non-smooth contact dynamics approach; University of Rijeka; 2023. ➤ Coupling of peridynamics with beam finite elements for planar problems of structural deformation; University of Rijeka, UNIRI Projects for Young Scientists and Artists; 2021. ➤ Career development project for young researchers funded by the Croatian Science Foundation and the Ministry of Science, Education and Youth, call "Career Development Project for Young Researchers – Training of New PhD Holders"; 2022–2028.
Participant in the following research projects	➤ Joint training on numerical modelling of highly flexible structures for industrial applications (THREAD); EU comission (H2020 MSCA ITN-ETN 2019); (leader: prof. dr. sc. Gordan Jelenić); (2019-2023). ➤ Impact behaviour of multifunctional materials; University of Padua; CARIPARO Foundation; (leader: prof. dr. sc. Ugo Galvanetto) (2011-2014) ➤ Structural vibrations induced by hyper-velocity impacts; University of Padua; (leader: prof. dr. sc. Ugo Galvanetto) (2014-2016) ➤ STC SIMBIO-SYS; National Institute of Astrophysics (INAF) - Astronomical Observatory of Padua; Italian Space Agency (ASI); (2016-2019)
Supervision of PhD theses	0
Examination of PhD theses	0