Name of teacher:	Gordan Jelenić

Employed at: **Since:**	University of Rijeka, Faculty of Civil Engineering 10.12.2003

Academic rank: **Since:** **In:**	Professor 5/2018 Engineering Sciences / Fundamental Engineering Sciences

e-mail address, web page	gordan.jelenic@uniri.hr, https://www.croris.hr/osobe/profil/9511

Knowledge of foreign languages:	English, Slovenian, Italian

Qualifications	**- date of birth, nationality:** 12 July 1962, Republic of Croatia, **- First degree obtained at:** University of Rijeka, Faculty of Civil Engineering, 1986. **- Master degre obtained at:** University of Ljubljana, Faculty of Architecture, Civil Engineering and Geodesy, 1990. **- Ph.D. degree obtained at:** University of Ljubljana, Faculty of Architecture, Civil Engineering and Geodesy, 1993. **- additional education:** Research associate (1993-1998), Research Fellow (1999-2003) **- previous employments:** Građevno-projektni zavod Rijeka (1987-1990), University of Ljubljana, Faculty of Architecture, Civil Engineering and Geodesy (1990-1993), Imperial College London, Aeronautics Department (1993-2003)

List of papers published in scientific journals (in last five years)	1. Grbčić Erdelj, S., Jelenić, G., Ibrahimbegović, A. Geometrically non-linear 3D finite-element analysis of micropolar continuum. *International Journal of Solids and Structures* 202 (2020) 745-764 2. Jelenić. G. Pure bending in non-linear elasticity: Closed-form 2D solution for semi-linear orthotropic material. *European Journal of Mechanics A/Solids* 90 (2021) 104289 3. Siciliano, A.F., Škec, L., Jelenić, G. Closed-form solutions for modelling the rotational stiffness of continuous and discontinuous compliant interfaces in two-layer Timoshenko beams. *Acta Mechanica* 232 (2021) 2793-2824 4. Siciliano, A.F., Škec, L., Fossetti, M., Jelenić, G. Experimental and numerical study on the compressive behaviour of partially accessible concrete columns strengthened by a layer of high-performance concrete. *Structures* 34 (2021) 4100-4112 5. Jelenić. G. Pure bending in non-linear micropolar elasticity. *International Journal of Mechanics and Materials in Design* 18 (2022) 243-265 6. Franković, T., Jelenić, G., Bjelanović, A. Material damping prediction in timber beams based on Timoshenko free-free beam model. *KSCE Journal of Civil Engineering* 26 (2022) 2315-2327 7. Tomec, J., Jelenić, G. Analysis of static frictionless beam-to-beam contact using mortar method. *Multibody System Dynamics* 55 (2022) 293-322 8. Čeh, N., Jelenić, G. Rocking stability of rigid prismatic blocks during single-wave harmonic excitation: Numerical investigation and experimental validation. *Engineering Review* 42 (2022) 149-162 9. Ranjbar, M., Škec, L., Jelenić, G., Ribarić, D. Mixed-mode delamination of layered structures modelled as Timoshenko beams with linked interpolation. *International Journal for Numerical Methods in Engineering* 124 (2023) 1773-1797

	10. Siciliano, A.F., Škec, L., Jelenić, G. Closed-form solutions for two-layer Timoshenko beams with interlayer slip, uplift and rotation compliance. *Meccanica* 58 (2023) 893-918 11. Čeh, N., Jelenić, G., Bićanić, N. Rocking Sensitivity of a Dual-Block Stack - Numerical Simulation and Experimental Evidence. *Earthquake Engineering and Structural Dynamics* 53 (2024) 366-391 12. Tomec, J., Jelenić, G. Frictionless beam-to-beam contact: comparison of mortar and unbiased formulation in combination with Lagrange-multiplier and penalty method. *International Journal of Solids and Structures* 286-287 (2024) 112586 13. Tomec, J., Jelenić, G. Momentum and near-energy conserving/decaying time integrator for higher-order configuration-interpolated beams on SE(3). *Computer Methods in Applied Mechanics and Engineering* 419 (2024) 116665 14. Grbčić Erdelj, S., Ibrahimbegović, A. Jelenić, G. Incompatible-mode geometrically non-linear finite element for micropolar elasticity. *International Journal of Solids and Structures* 289 (2024) 112647 15. Grbac, L., Jelenić, G., Ribarić, D., Grbčić Erdelj, S. Hexahedral finite elements with enhanced fixed-pole interpolation for linear static and vibration analysis of 3D micropolar continuum. *International Journal for Numerical Methods in Engineering* 125 (2024) e7440 16. Papa Dukić, E., Grbac, L., Jelenić, G. Characteristic bending length in micropolar materials with periodic internal structure. Journal of Mechanics of Materials and Structures 19 (2024) 515-530

List of publications which serve as a proof of teaching qualifications	As above

Leader of the following research projects (competitive science projects)	Nonlinear finite element method for mechanical problems with spatial rotations, Engineering and Physical Sciences Research Council (UK), 1.1.1999-31.12.2003, GBP 153,338.00 Nonlinear finite element techniques for the design of flexible mechanisms, Engineering and Physical Sciences Research Council (UK), 1.10.2000-30.9.2003, GBP 63,000.00 Improved accuracy in non-linear beam elements with finite 3D rotations, Ministarstvo znanosti, obrazovanja i sporta, 1.1.2007-31.12.2009, €28,000.00 Configuration-dependent approximation in non-linear finite-element analysis of structures, Hrvatska zaklada za znanost (poziv IP-2013-11), 1.9.2014-31.8.2018, €130,000.00 Fixed-pole concept in numerical modelling of Cosserats' continuum, Hrvatska zaklada za znanost (poziv IP-2018-01), 1.1.2019-31.12.2022, €130,000.00 Joint training on numerical modelling of highly flexible structures for industrial applications, EU komisija (H2020 MSCA ITN-ETN 2019), 1.10.2019-30.9.2023, €237,367.08 Analytical, numerical and experimental methods for identification of Cosserats' parameters of materials, Hrvatska zaklada za znanost (poziv IP-2024-05), 16.12.2024-15.12.2027, €200,000.00

Participant in the following research projects (competitive science projects)	Finite element techniques for rigid and flexible mechanical systems, Engineering and Physical Sciences Research Council (UK), 1.10.1994-1.4.1998 Finite elements in non-linear dynamics, Engineering and Physical Sciences Research Council (UK), 1.4.1997-1.10.1997 Evidence Based Characterisation of Dynamic Sensitivity for Multiblock Structures – Computational Simulation and Experimental Validation, Unity through Knowledge Fund, 1.11.2013-31.10.2015 Assumed strain method in finite elements for layered plates and shells with application on layer delamination problems, Hrvatska zaklada za znanost, 1.3.2017-28.2.2021

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