Name of teacher:	Nina Čeh

Employed at: **Since:**	University of Rijeka, Faculty of Civil Engineering 1 Jan 2019

Academic rank: **Since:** **In:**	Associate professor 2024 Engineering mechanics

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Knowledge of foreign languages:	english, italian, spanish

Qualifications	**- date of birth, nationality:** 16 Jun 1989, croatian **- First degree obtained at:** University of Rijeka, Faculty of Civil Engineering (2013) **- Ph.D. degree obtained at:** University of Rijeka, Faculty of Civil Engineering (2018) **- additional education:** University of Oxford, Impact Engineering Laboratory (2015-2018) **- previous employments:** University of Rijeka, Faculty of Civil Engineering, 2013-2018

List of papers published in scientific journals	1) **Čeh, N.**, Jelenić, G., Bićanić, N., Rocking sensitivity of a dual-block stack - Numerical simulation and experimental evidence, Earthquake Engineering and Structural Dynamics (2023), 53(1), pp. 366-391. (doi.org/10.1002/eqe.4022, Q1) 2) Qin, H., **Čeh, N.**, Li, L., Efficient Response Estimation Approach for As-Built Bridges Based on Multisupport Response Spectrum Method, Journal of Engineering Mechanics (2023), 149(10), 04023080. (doi 10.1061/JENMDT.EMENG-7175, Q1) 3) Mudrić, T., **Čeh, N.**, Hante, S., Arnold, M., Free Rocking of a Rigid Block on a Flexible Structure with Non-Smooth Contact Dynamics (2024), Applied Sciences (Switzerland), 14(15), 6483. (doi.org/10.3390/app14156483, Q2) 4) Peranić, J., **Čeh, N.**, Arbanas, Ž. The Use of Soil Moisture and Pore-Water Pressure Sensors for the Interpretation of Landslide Behavior in Small-Scale Physical Models (2022), Sensors 22 (19), art. no. 7337. (doi 10.3390/s22197337, Q1) 5) **Čeh, N.**, Jelenić, G., Bićanić, N., Analysis of restitution in rocking of single rigid blocks, Acta Mechanica (2018), 229(11), pp. 4623-4642 (doi.10.1007/s00707-018-2246-8, Q2)

List of publications which serve as a proof of teaching qualifications	1) **Čeh, N.**, Jelenić, G., Bićanić, N., Rocking sensitivity of a dual-block stack - Numerical simulation and experimental evidence, Earthquake Engineering and Structural Dynamics (2023), 53(1), pp. 366-391. (doi.org/10.1002/eqe.4022, Q1) 2) Qin, H., **Čeh, N.**, Li, L., Efficient Response Estimation Approach for As-Built Bridges Based on Multisupport Response Spectrum Method, Journal of Engineering Mechanics (2023), 149(10), 04023080. (doi 10.1061/JENMDT.EMENG-7175, Q1) 3) Mudrić, T., **Čeh, N.**, Hante, S., Arnold, M., Free Rocking of a Rigid Block on a Flexible Structure with Non-Smooth Contact Dynamics (2024), Applied Sciences (Switzerland), 14(15), 6483. (doi.org/10.3390/app14156483, Q2) 4) Peranić, J., **Čeh, N.**, Arbanas, Ž. The Use of Soil Moisture and Pore-Water Pressure Sensors for the Interpretation of Landslide Behavior in Small-Scale Physical Models (2022), Sensors 22 (19), art. no. 7337. (doi 10.3390/s22197337, Q1) 5) **Čeh, N.**, Jelenić, G., Bićanić, N., Analysis of restitution in rocking of single rigid blocks, Acta Mechanica (2018), 229(11), pp. 4623-4642 (doi.10.1007/s00707-018-2246-8, Q2)

Leader of the following research projects	- Vibration Characteristics Analysis and Inerter-enhanced Tuned Vibration Control of Semi-submersible Floating Offshore Wind Turbine Structures (bilateral Croatian-Chinese collaboration with Dalian University of Technology, 18 000 €, 2024-2026) - Dynamic characterisation of rigid blocks with cohesive contacts (UNIRI, 6 000 €, 2024-2025)

	- Experimental study of bridge structures considering the asymmetric effect under multiple support excitation (bilateral Croatian-Chinese collaboration with Dalian University of Technology, 7 953 €, 2020-2022) - Collisions in rocking multi-body systems – experimental and numerical investigation (HRZZ UKF 19/19, 36 000 €) - Horizontal collisions between adjacent structures due to dynamic base excitation (UNIRI mladi, 2020)

Participant in the following research projects	- Physical modelling of landslide remediation constructions behaviour under static and seismic actions (HRZZ IP-2018, 131 992 €) - Fixed-Pole Concept in Numerical Modelling of Cosserat Continuum (HRZZ IP-2018, 131 395 €) - Configuration-dependent Approximation in Non-linear Finite-element Analysis of Structures (HRZZ IP-2013, 124 557 €) - Catalysing Sustainable Solutions – Uniting Dynamic Material Researchers for Global Collaborations and Resource Efficiency (DYMAT association, Mondragorn Unibertsitatea & IKERBASQUE (Spain), Arts et Métiers, I2M (France), University of Rijeka (Croatia) and University of Oxfordu (UK), 2024-2025.) - Evidence Based Characterisation of Dynamic Sensitivity for Multiblock Structures – Computational Simulation and Experimental Validation (HRZZ UKF 3/13, 161 023 €) - Joint Training on Numerical Modelling of Highly-flexible Structures for Industrial Applications (HORIZON2020, 237 367 €).

Supervision of PhD theses	2 ongoing

Examination of PhD theses	0