

Name of teacher:	Ivana Štimac Grandić
Employed at: Since:	Faculty of Civil Engineering, University of Rijeka 2. 07. 1997
Academic rank: Since: In:	Full professor 2. 04. 2020. Civil Engineering/Structural Engineering
e-mail address, web page	istimac@uniri.hr
Knowledge of foreign languages:	english
Qualifications	- date of birth, nationality: 25.06.1972. Rijeka, Croatian - First degree obtained at: Faculty of Civil Engineering, University of Rijeka 1997. - Ph.D. degree obtained at: Faculty of Civil Engineering and Architecture, University of Split, 2006. - additional education: - previous employments:
List of papers published in scientific journals	1. Grandić, Davor; Štimac Grandić, Ivana; Šćulac, Paulo: Assessment of Mechanical Properties of Corroded Reinforcement in Chloride Environment Based on Corrosion Rate Monitoring // Civil engineering journal (Tehran), 10 (2024), 11; 3473-3492. doi: 10.28991/cej-2024-010-11-02 2. Štimac Grandić, Ivana; Šćulac, Paulo; Grandić, Davor; Vodopija, Iva: The Accessible Design of Pedestrian Bridges // Sustainability, 16 (2024), 3; 1063, 17. doi: 10.3390/su16031063 https://www.mdpi.com/journal/sustainability/special_issues/Engineering_Construction_Project 3. Štimac Grandić, Ivana; Grandić, Davor: REDUCTION IN WIND FORCE IN RELATION TO CORNER DESIGN OF BRIDGE PIERS // Engineering review (Technical Faculty University of Rijeka), 40 (2020), 2; 88-100. doi: 10.30765/er.40.2.10 4. Bjelanović, Adriana; Franković, Tomislav; Štimac Grandić, Ivana: Adjustments of dynamic MoE on referent moisture content of wood and temperature in grading of small-sized samples / Učinci prilagodbi dinamičkog E-modula drva na referentne sadržaje vlage i temperaturu u razredbi malobrojnih uzoraka // Građevinar: časopis Hrvatskog saveza građevinskih inženjera, 71 (2019), 2; 125-135. doi: 10.14256/JCE.2498.2018 5. Štimac Grandić, Ivana; Grandić, Davor: ESTIMATION OF DAMAGE SEVERITY USING SPARSE STATIC MEASUREMENT // Journal of civil engineering and management, 23 (2017), 2; 213-221. doi: 10.3846/13923730.2015.1027256 6. Štimac Grandić, Ivana; Grandić, Davor; Berić, Nikola: Parameters affecting the reduction factor in pedestrian load models based on pulsating stationary force // Journal of applied engineering science, 13 (2015), 3; 187-193. doi: 10.5937/jaes13-7750 7. Grandić, Davor; Šćulac, Paulo; Štimac Grandić, Ivana: Shear resistance of reinforced concrete beams in dependence on concrete strength in compressive struts // Tehnički vjesnik: znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku, 22 (2015), 4; 925-934. doi: 10.17559/TV-20140708125658 8. Štimac Grandić, Ivana: Serviceability verification of pedestrian bridges under pedestrian loading // Tehnički vjesnik: znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku, 22 (2015), 2; 527-537. doi: 10.17559/TV-20131030105641 9. Štimac Grandić, Ivana; Grandić, Davor; Bjelanović, Adriana: Evaluation of torsional stiffness in beam and slab bridge decks based on load testing // International Journal of Civil Engineering, 13 (2015), 3; 255-266. doi: 10.22068/IJCE.13.3.255

10. **Štimac Grandić, Ivana**; Jakovljević, Dario; Grandić, Davor: Impact of omitting the static component from the design dynamic models of pedestrian load // Electronic journal of the Faculty of Civil Engineering Osijek - e-GFOS, 9 (2014), 11-21. doi: 10.13167/2014.9.2
11. **Štimac Grandić, Ivana**: Influence of sampling interval on deflection : influence-line-based damage detection in beams // Journal of applied engineering science, 12 (2014), 1; 69-74. doi: 10.5937/jaes12-5668
12. **Štimac Grandić, Ivana**; Grandić, Davor; Mužić, Renata: Determination of bridge global dynamic factor /Određivanje dinamičkog koeficijenta na mostovima // Electronic journal of the Faculty of Civil Engineering Osijek - e-GFOS, 6 (2013), 23-33. doi: 10.13167/2013.6.3
13. **Štimac Grandić, Ivana**; Grandić, Davor; Strelec, Iva: Verification and Improvement of the Continuous Ribbed Bridge Deck Grillage Model Based on Field Testing // Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku, 19 (2012), 3; 611-616
14. **Štimac Grandić, Ivana**; Grandić, Davor; Brezac, Goran: Determination of effective width of a T-beam of ribbed bridge deck transversal girder / Određivanje proračunske širine T-presjeka poprečnog nosača rebrastog grednog mosta // Electronic journal of the Faculty of Civil Engineering Osijek - e-GFOS, 2 (2011), 3; 39-52. doi: 10.13167/2011.3.4
15. **Štimac Grandić, Ivana**; Ivančić, Ana; Liker, Bojan: Parametric analysis of wind action on slab bridge deck // Engineering review (Technical Faculty University of Rijeka), 31 (2011), 1; 45-54
16. **Štimac Grandić, Ivana**; Mihanović, Ante; Kožar, Ivica: Otkrivanje oštećenja ploča usporedbom zakrivljenosti utjecajnih ploha progiba / Slab damage detection by comparing curvature of relevant deflection areas // Građevinar: časopis Hrvatskog saveza građevinskih inženjera, 61 (2009), 3; 231-241
17. **Štimac, Ivana**; Kožar, Ivica; Mihanović, Ante: Otkrivanje oštećenja greda s pomoću utjecajnih linija progiba / Beam damage detection by deflection influence lines // Građevinar: časopis Hrvatskog saveza građevinskih inženjera, 59 (2007), 12; 1053-1066
18. **Štimac, Ivana**; Meštrović, Darko; Kožar, Ivica: Analiza mostovnih konstrukcija pobuđenih pokretnim opterećenjem / Analysis of bridge structures excited by moveable load // Građevinar: časopis Hrvatskog saveza građevinskih inženjera, 56 (2004), 6; 347-353
19. Palijan, Ivan; Krolo, Paulina; **Štimac Grandić, Ivana**; Grandić, Davor: Testing of the structural composite panels to determine the design resistance models // Machines, Technologies, Materials, 18 (2024), 5; 148-152
20. Bjelanović, Adriana; **Štimac Grandić, Ivana**; Franolić, Filip: Timber footbridges – valorization of parametric analysis in optimization of layout of beam bridges // Modern structures of metal and wood/Sučasni građevni konstrukcije z metalu ta drvini, 26 (2022), 5-14 doi:10.31650/2707-3068-2022-26-5-14
21. Jagarinec, Kaja; **Štimac Grandić, Ivana**: Rušenje mostova // Zbornik radova (Građevinski fakultet Sveučilišta u Rijeci), 25 (2022), 1; 171-185 doi:10.32762/zr.25.1.11 (pregledni rad)
22. Grandić, Davor; **Štimac Grandić, Ivana**: „Pitting factor in use of galvanostatic pulse method for measuring the corrosion rate of reinforcement in concrete“, International Scientific Journal Machines. Technologies. Materials., 15 (2021), 7; 259-263
23. Franković, Tomislav; Paparić Katarina; **Štimac Grandić, Ivana**: „Laboratorijsko određivanje dinamičkih parametara jednostavne grede OMA metodom“ Zbornik radova (Građevinski fakultet Sveučilišta u Rijeci), 22 (2019), 43-57 doi:10.32762/zr.22.1.3 (prethodno priopćenje)
24. **Štimac Grandić, Ivana**; Grandić, Davor: „Damage Quantification Reliability in Beams using Incomplete Static Information“, International Scientific Journal Machines. Technologies. Materials., 9 (2014), str. 3-7
25. **Štimac Grandić, Ivana**; Kuželički, Lucija: „Mostovi u gornjem toku Rječine“, Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci. XVI (2013), str. 313-332 (pregledni rad)

	26. Štimac Grandić, Ivana; Grandić, Davor; Bjelanović, Adriana: „Comparison of techniques for damage identification based on influence line approach“, International Scientific Journal Machines. Technologies. Materials., 7 (2011), str. 9-13
List of publications which serve as a proof of teaching qualifications	- Grandić, Davor; Štimac Grandić, Ivana; Šćulac, Paulo: Assessment of Mechanical Properties of Corroded Reinforcement in Chloride Environment Based on Corrosion Rate Monitoring // Civil engineering journal (Tehran), 10 (2024), 11; 3473-3492. doi: 10.28991/cej-2024-010-11-02 - Bjelanović, Adriana; Franković, Tomislav; Štimac Grandić, Ivana: Adjustments of dynamic MoE on referent moisture content of wood and temperature in grading of small-sized samples / Učinci prilagodbi dinamičkog E-modula drva na referentne sadržaje vlage i temperaturu u razredbi malobrojnih uzoraka // Građevinar: časopis Hrvatskog saveza građevinskih inženjera, 71 (2019), 2; 125-135. doi: 10.14256/JCE.2498.2018 Štimac Grandić, Ivana; Grandić, Davor: ESTIMATION OF DAMAGE SEVERITY USING SPARSE STATIC MEASUREMENT // Journal of civil engineering and management, 23 (2017), 2; 213-221. doi: 10.3846/13923730.2015.1027256 - Grandić, Davor; Šćulac, Paulo; Štimac Grandić, Ivana: Shear resistance of reinforced concrete beams in dependence on concrete strength in compressive struts // Tehnički vjesnik: znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku, 22 (2015), 4; 925-934. doi: 10.17559/TV-20140708125658 Štimac Grandić, Ivana; Grandić, Davor; Bjelanović, Adriana: Evaluation of torsional stiffness in beam and slab bridge decks based on load testing // International Journal of Civil Engineering, 13 (2015), 3; 255-266. doi: 10.22068/IJCE.13.3.255 Štimac Grandić, Ivana: Influence of sampling interval on deflection : influence-line-based damage detection in beams // Journal of applied engineering science, 12 (2014), 1; 69-74. doi: 10.5937/jaes12-5668 Štimac Grandić, Ivana; Grandić, Davor; Strelec, Iva: Verification and Improvement of the Continuous Ribbed Bridge Deck Grillage Model Based on Field Testing // Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku, 19 (2012), 3; 611-616 Štimac Grandić, Ivana; Ivančić, Ana; Liker, Bojan: Parametric analysis of wind action on slab bridge deck // Engineering review (Technical Faculty University of Rijeka), 31 (2011), 1; 45-54 Štimac Grandić, Ivana; Mihanović, Ante; Kožar, Ivica: Otkrivanje oštećenja ploča usporedbom zakrivljenosti utjecajnih ploha progiba / Slab damage detection by comparing curvature of relevant deflection areas // Građevinar: časopis Hrvatskog saveza građevinskih inženjera, 61 (2009), 3; 231-241 - Palijan, Ivan; Krolo, Paulina; Štimac Grandić, Ivana; Grandić, Davor: Testing of the structural composite panels to determine the design resistance models // Machines, Technologies, Materials, 18 (2024), 5; 148-152 - Grandić, Davor; Štimac Grandić, Ivana: „Pitting factor in use of galvanostatic pulse method for measuring the corrosion rate of reinforcement in concrete“, International Scientific Journal Machines. Technologies. Materials., 15 (2021), 7; 259-263 - Franković, Tomislav; Paparić Katarina; Štimac Grandić, Ivana: „Laboratorijsko određivanje dinamičkih parametara jednostavne grede OMA metodom“ Zbornik radova (Građevinski fakultet Sveučilišta u Rijeci), 22 (2019), 43-57 doi:10.32762/zr.22.1.3 (prethodno priopćenje) Štimac Grandić, Ivana; Grandić, Davor: „Damage Quantification Reliability in Beams using Incomplete Static Information“, International Scientific Journal Machines. Technologies. Materials., 9 (2014), str. 3-7 Štimac Grandić, Ivana; Grandić, Davor; Bjelanović, Adriana: „Comparison of techniques for damage identification based on influence line approach“, International Scientific Journal Machines. Technologies. Materials., 7 (2011), str. 9-13
Leader of the following research projects	Scientific research <i>Damage assessment and strengthening of building structures</i> (University of Rijeka, NO 13.05.1.1.01) 10/2015. 12/ 2018 https://crosis.hr/projekti/projekt/6555

	2. Scientific research <i>Improvement of design models for condition assessment of structures</i> (University of Rijeka; uniri-tehnic-18-127) 2018. - 2023. godine https://croris.hr/projekti/projekt/5461
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Participant in the following research projects	1. Scientific research „<i>Znanstvene osnove za razvoj natapanja u RH</i>“, (MZOS,. ZNV 114104/011403, project leader prof. dr.sc. Zorko Kos i prof.dr sc. Nevenka Ožanić), 07/1997-12/2002. 2. Scientific research „<i>Numerical modeling of quasi-brittle materials</i>“ (MZOS, br. ZNV 0114002, voditelj projekta, Prof. dr.sc. Ivica Kožar), 12/2002.-12/2007. http://zprojekti.mzos.hr/zProjektiold/prikaz_det.asp?sort=1&offset=1021&ID=0114002 3. Scientific research " <i>Flexible long structures: nonlinear modeling with visualization</i> " MZOS (broj projekta 114-0982562-1460, Prof. dr.sc. Ivica Kožar), 02- 2007. 01/ 2010. 4. Scientific research <i>Damage assessment and strengthening of building structures</i> (University of Rijeka, NO 13.05.1.1.01, leadre N. Bičanić) 12/2013.–10/2015. https://croris.hr/projekti/projekt/6555 5. HRZZ Scientific research - <i>Separation of Parameter Influence in Engineering Modelling and Parameter Identification</i> (SEPAEMPI) (no 7926), leader Ivica Kožar, 2. 12. 2019 - 1. 12. 2023. https://croris.hr/projekti/projekt/4439 6. Projekt <i>Prefabricated buildings of almost zero energy produced in an industrial way</i> (European Comission - European Regional Development Fund leader at instution: D. Grandić) 1. 8. 2021.- 31. 12. 2023. https://croris.hr/projekti/projekt/5491 7. UNIRI projekti 2023 <i>Adjustment of the methodology for assessing the seismic resistance of existing masonry buildings in the Kvarner Littoral</i> (uniri-iskusni-tehnic-23-198 – University of Rijeka, leader: A. Bjelanović) 2024. do danas https://www.croris.hr/projekti/projekt/10158
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Supervision of PhD theses	2
Examination of PhD theses	1