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Employed at: Since:	Faculty of Civil Engineering, University in Rijeka 08.10.2003.
Title: Since: In	Associate professor (Scientific ID no: 195023) 25.01.2013. Technical Sciences / Civil Engineering / Structural Engineering
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Qualifications	- date of birth, nationality: 14.10.1962, Šibenik, Croatia, Croatian nationality - First degree obtained at: Faculty of Civil Engineering in Zagreb, University in Zagreb, 1991 - Master degree obtained at: Faculty of Civil Engineering in Zagreb, University in Zagreb, 12.7.1996. (Master thesis: "Representation of EC5 codes for timber structures in expert system") - Ph.D. degree obtained at: Faculty of Civil Engineering in Zagreb, University in Zagreb, 12.7.2001 (PhD thesis: „Implementation of Artificial Intelligence for analysis and structural design of timber structures") - additional education:- - previous employments: Faculty of Civil Engineering in Zagreb, University in Zagreb (research novice, from 01.06.1992. to October 1996.; senior assistant, from January 2002 to October, 2003.
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List of papers published in scientific journals	1. Palinić, N.; Bjelanović, A.: Drvene konstrukcije u povijesnoj luci Rijeke", Građevinar: časopis Hrvatskog saveza građevinskih inženjera, 68/2016 (2016), 10;801-814 (članak, znanstveni) 2. Štimac Grandić, I.; Grandić, D.; Bjelanović, A.: "Evaluation of Torzional Stiffnes in Beam and Slab Bridges Decks Based on Load Testing", International Journal of Civil Engineering, 13 (2015), 3; 255-266 (članak, znanstveni) 3. Škec, L.; Bjelanović, A.; Jelenić, G.: "Glued Timber-Concrete Beams – Analytical and Numerical Models for Assessment of Composite Action", Engineering Review, 33 (2013), 1; 41-49 (članak, znanstveni) 4. Bjelanović, A.; Šimić, K.: "Suvremeni pristup u projektiranju rešetkastih drvenih sustava povećane požarne otpornosti", Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci, XVI (2013), 289-312 (članak, znanstveni) 5. Štimac Grandić, I.; Grandić, D.; Bjelanović, A.: "Comparison of techniques for damage identification based on influence line approach", Machines, Technologies, Materials 7 (2011), str. 9-13 6. Rajčić, V.; Bjelanović, A.: "Razredba drvene građe", Građevinar 57 (2005) 10, Listopad, 2005, Zagreb, str. 155-161 7. Rajčić V.; Bjelanović, V.; Rak, M.: "Nosivost ulijepljenih navijenih čeličnih šipki u elementima od hrastovine", Građevinar 56 (2004) 3, Ožujak, 2004, Zagreb, str. 155-161. 8. Bjelanović, A.: "Prikaz Eurokoda 5 u ekspertnom sustavu", Građevinar. 49 (1997), 1. Siječanj, 1997. str. 9-16. 9. Žagar, Z.; Šimunić Buršić, M.; Bjelanović, A.: "Računalna analiza oštećene kupole šibenske katedrale", Arhitektura: stručni i znanstveni časopis Udruženja hrvatskih arhitekata, 213 (1997) , 1, Siječanj, 1997; 26-27 (članak, znanstveni) 10. Šimunić Buršić, M.; Bjelanović, A.; Žagar, Z.: "Structural Analysis of Arhitectural heritage – A Prerequisite for its Reconstruction", Kemija u industriji: časopis kemičara i tehnologa Hrvatske, 43 (1994), 3; 160-162 (članak, znanstveni) 11. Šimunić Buršić, M.; Bjelanović, A.; Žagar, Z.: "Structural Analysis at the Chatedral of Šibenik", IABSE Reports (International Association for Bridge and Structural Engineering Reports, 79 (1993), 489-491 (članak, znanstveni)
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List of publications which serve as a proof of teaching qualifications	I. List of sceintific papers published in scientific journals (1.-11.) II. List of professional papers published in scientific and other journals (12.-16.) 12. Červar, J.; Buljan, N.; Bjelanović, A.: "Sportska dvorana prostorne drvene konstrukcije s radijalnim rešetkastim nosačima i stakleno-aluminijskom fasadom", Zbornik radova Građevinskog fakulteta u Rijeci, XV (2012), 329-356 (članak, stručni) 13. Cupač, J.; Buljan, N.; Bjelanović, A.: "Stakleno-aluminijske fasade – izbor prikladnog konstrukcijskog sustava fasade na primjeru prostorne drvene konstrukcije", Zbornik radova Građevinskog fakulteta u Rijeci, XV (2012), 357-383 (članak, stručni) 14. Bjelanović, A.: "Ponašanje drva i drvenih konstrukcije u požaru I otpornost na djelovanje požara", Presjek XI (2011),3, str. 105 – 120 (ISSN: 1848-0799) (članak, stručni) 15. Kovačević, D.; Bjelanović, A.: "Analiza lučnog drvenog mosta posebne konstrukcije", Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci, XIV. (2011), 149-168 (članak, stručni)
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16. Lustig, N.; Bjelanović, A.; Butorac, I.: "Zamjena dotrajalih konstrukcija novim pješačkim drvenim mostovima veće trajnosti", Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci, XIV (2011);169-188 (članak, stručni)

III. List of papers published in Proceedings of international conferences (1.-22.)

1. Buljan, N.; Bjelanović, A.; Turkulin, H.: "Structurally Glazed Timber Curtain Wall" // Proceedings of 1.st International Conference on Construction materials for Sustainable Future (CoMS-2017), Zadar, 2017, 506-514 (ur. Banjad Pečur I.; Baričević, A.; Štirmer N.; Bjegović, D.)
2. Grandić, D.; Šćulac, P.; Bjelanović, A.; Franković, T.: "Condition Assessment of Torpedo Launch Pad Station Structure in Rijeka" // Proceedings of 1.st International Conference on Construction materials for Sustainable Future (CoMS-2017), Zadar, 2017, 552-558 (ur. Banjad Pečur I.; Baričević, A.; Štirmer N.; Bjegović, D.)
3. Bjelanović, A.; Stošić, A.; Štimac Grandić, I.: "Nerazorna ispitivanja u ocjeni stanja i razredbi novog i ugrađenog konstrukcijskog drva" // Zbornik radova međunarodne konferencije Građevinarstvo, nauka I praksa GNP 2016 (ur. Knežević, M.; Šćepanović, B.); Građevinski fakultet, Univerzitet u Podgorici, Žabljak 2016, 775-782 (međunarodna recenzija, članak, znanstveni)
4. Bjelanović, A.; Štimac Grandić, I.; Grandić, D.: "Mehanička svojstva i razredba konstrukcijskog drva – primjena nerazornih i razornih testova" // Zbornik radova međunarodne konferencije Građevinarstvo, nauka I praksa GNP 2016 (ur. Knežević, M.; Šćepanović, B.); Građevinski fakultet, Univerzitet u Podgorici, Žabljak 2016, 33-40 (međunarodna recenzija, članak, znanstveni)
5. Buljan, N.; Bjelanović, A.; Turkulin, H.; Zobec, M.: "Timber CW – structurally glazed laminated wood façade" // Proceedings of international conference on Advanced Building Skins, Economic forum Landsberger 2015, München, Germany, 2015, 502-511
6. Bjelanović, A.; Lustig, N.; Škec, L.: "Effects of slope and apex zone geometry of glulam beams with special shape on their design", 8th International Scientific Conference on Production Engineering: Development and modernization of production, RIM 2011, University of Bihać, Faculty of Technical Engineering, Bosnia and Herzegovina / Karabegovic, I. ; Dolacek, V. ; Jurkovic, V. (ur.), Bihać : University of Bihać, Faculty of Technical Engineering, 2011. 91-96
7. Štimac Grandić, I.; Grandić, D.; Bjelanović, A.: "Comparison of techniques for damage identification based on influence line approach", *Scientific Proceedings of the Scientific-Technical Union of Mechanical Engineering*. Varna : Scientific-Technical Union of Mech. Eng., 2011. 53-57
8. Bjelanović, A.; Pavlič, V.; Rajčić, V.: "Analysis of Slope effect and geometry of Glulam Cambered beams – Advises for their Design and Practical Application", Proceedings of the 12th ICPMEMD / Košťál, Pavel (ur.).Trenčín, Slovačka : UKC ZSVTS, 2008. 83-83
9. Bjelanović, A.; Rajčić, Vlatka; Čizmar, D.: "New possibilities of structural design using artificial intelligence techniques", Proceedings of International Scientific Symposium Modeling of Structures / Ivo Čolak (ur.). Mostar : University of Mostar, 2008. 41-51
10. Jović, I.; Rak, M.; Bjelanović, A.: "Testing of the sports hall's laminated main girder at Križ – Experimental methods "in situ" and laboratory testing of glulam wood", Proceedings of ICYS (International Conference of Young Scientists) / Assoc. prof.dr. Vasilev Simeon (ur.). Plovdiv : Union of scientists in Bulgaria - Plovdiv, 2008. 36-44
11. Jović, I.; Topić, P.; Bjelanović, A.; Rak, M.: "Three – joint glulam frame with tie rod in Križ – comparison of results obtained experimentally and numerically using fea simulation of the behaviour of tested structure", International Conference of young scientists, Plovdiv, Bulgarian, 14th–17th June, 2007, Proceedings of ICYS – Plovdiv, 2007, compiled by V. Markova / V. Shopov
12. Kovačević, D.; Brnelić, M.; Lustig, N.; Grandić, D.; Bjelanović, A.: "Ex torpedo launch pad structure in Rijeka – damage estimation procedure", Rijeka, the historical traffic crossroad between Mediterranean and Europe - 2007. Proceedings / Smokvina, Miljenko - Protored ; Lenac, Zdravko - Sveučilište u Rijeci (ur.).Rijeka, 2007
13. Bjelanović, A.; Rajčić, V.: "Fracture Behaviour of Bolted Joint Using Steel Threaded Bars Glued In Oak elements", Integrated Approach to Wood Structure, Behaviour and Applications / Fioravanti, Marco ; Macchioni, N. (ur.), Firenca, 2006. 250-255
14. Rajčić, V.; Bjelanović, A.; Rak, M.: "Comparison of the Pull-out Strength of Steel Bars Glued in GluLam Elements Obtained Experimentally and Numerically", // Proceedings of the International Council for Research and Innovation in Building and Construction "Working Commission W 18 - Timber Structures" : Meeting Thirty Nine / Goerlacher, Rainer (ur.), Karlsruhe : Universitat Karlsruhe, 2006.
15. Rajčić, V.; Bjelanović, A.: "Comparison of the Eurocode 5 and Actual Croatian Codes for Wood Classification and Design with the Proposal for More Objective Way of Classification", Proceedings of the International Council for Research and Innovation in Building and Construction (CIB Conference Working Commission W18-Timber Structures. Meeting Thirty Eight / Rainer Goerlacher (ur.), Karlsruhe, 2005.
16. Bjelanović, A.; Rajčić, V.: "Timber Structural Design Based on Neural Networks Application nad FE 3D Modelling", Proceedings of the 7th International Conference of the Application of Artificial Intelligence to Civil and Structural Engineering / Topping, Barry V. (ur.). Egmond-ann-Zee, 2003, The Netherlands, Proceedings, 159-163.
17. Bjelanović, A.; Rajčić, V.: "New possibilities of structural design using artificial intelligence techniques:

	Application of Neural Networks in structural modelling optimization", I. simpozij Računalstvo u graditeljstvu., Proceedings / 1st Symposium Computing in Engineering, Herman, Krešimir (ur.). Zagreb : Faculty of Civil Engineering u Zagrebu, 2003. 209-220 18. Rajčić, V.; Bjelanović, A.: "FEA Model of the Edge Crack under Tensile Stresses", 2nd IC of the ESWM, May, 25-28, 2003, Stockholm, Sweden, Proceedings, 355-360 19. Bjelanović, A.: "Structural design of Glulam Roof using AI Techniques", Gradbena informatika 2001 / Turk, Ž. (ur.), Ljubljana: Fakultet za gradbeništvo in geodezijo, 2001., 161-168 20. Bjelanović, A.; Rajčić, V.: "AI Environment for Classification and Design of Structural Timber Elements", IC on Innovation in AEC, 18-20, July, 2001, Burleigh Court ICC, Loughborough Univ., UK, Proceedings, 193-204 21. Žagar, Z.; Bjelanović, A.: "CN (EC5) Standards for Design of Timber Structures", Computers in the Practice of Building and Civil Engineering / Sarja, A. (ur.). RIL, 1997. 228-232 22. Šimunić Buršić, M.; Bjelanović, A.; Žagar, Z.: "Structural Analysis of the Damage at the Chatedral of Šibenik", Structural Preservation of the Architectural Heritage. Rome : ETH-Honggerberg, Zurich, 1996. 489-491 IV. List of papers published in Proceedings of national conferences (1.-7.) 1. Bjelanović, A.; Rajčić, V.; Grandić, D.: "Projektiranje drvenih zgrada izloženih požaru – nacionalni građevinski propisi i europske tehničke smjernice" // Zbornik radova Sabora hrvatskih graditelja 2016: EU i hrvatsko nacionalno graditeljstvo, Cavtat 2016, (ur. Lakušić S.) Hrvatski savez građevinskih inženjera, Zagreb, 2016, str. 333-345 2. Bjelanović, A.: "Stabilnost glavnog nosača - Modeliranje problema u ES-u" IV simpozij "Modeliranje u znanosti, tehnici i društvu", CROSS, HATZ, TF Sveučilišta u Rijeci, Lipanj, 2000, Zbornik radova, 309-317 3. Bjelanović, A.: "Tumačenje i primjena EC5 normi u okruženju RBES-a", Zbornik radova trećeg simpozija Hrvatskog društva za sustave CROSS / Božičević, J. (ur.). Zagreb : CROSS Društvo za sustave 153-160 4. Bjelanović, A.: "Prikaz EC5/HN normi za drvene konstrukcije u ekspertnom sustavu", Četvrti kongres DHGK / Simović, Veselin (ur.). Zagreb-Cavtat : DHGK Zagreb, 1996. 267-276 5. Saler, V.; Bjelanović, A.; Žagar, Z.: "Konzultativni ekspertni sustav za odabir konstrukcija", Zbornik radova IV. međunarodnog skupa razvoja i primjene kompjutorskih sustava. CAD Forum 93 / Baletić, Bojan (ur.). Zagreb, 1993. 169-177 6. Žagar, Z.; Bjelanović, A.: "Analiza sustava kolnika u koridoru tramvajske pruge, Zbornik II. radnog sabora DHGK, Graditelji u obnovi Hrvatske / Radić, Jure (ur.), Zagreb, 1993. 375-382 7. Saler, V.; Bjelanović, A.; Žagar, Z.: "Savjetodavni program za proračun pajantnih krovista", Zbornik PRG sekcije DHGK: Kompjutori u obnovi Hrvatske. Treći međunarodni skup razvoja i primjene kompjutorskih sustava, CAD Forum Zagreb, 1992. 219-226 V. Published scientific books and university textbooks (1.) 1. Adriana Bjelanović, Vlatka Rajčić: «Drvene konstrukcije prema europskim normama», Hrvatska sveučilišna naklada i Građevinski fakultet Sveučilišta u Zagrebu, Zagreb, 2005, pp. 1-457, (ISBN 953-169-115-0), / reizdanje (Hrvatska sveučilišna naklada, Građevinski fakultet Sveučilišta u Zagrebu i Zagora-Zagorje d.o.o.), Zagreb 2007., p.p. 1 – 458, ISBN 978-953-169-115-4
Leader of the following research projects	1. Research project: "Failure mechanism and behaviour models of innovative joints an timber structures" (funded by Croatian ministry of Science, Education and Sports)), no. 114-0000000-3253), Faculty of Civil Engineering, University in Rijeka, 3/2008.-3./2010.
Participant in the following research projects	Research projects funded by Croatian Foundation for Scienc / Craotian Ministry for Science and Technology 1. "Prototype of multifunctional timber – structural glass composite panel", Faculty of Civil Engineering, University in Zagreb / Croatian Foundation for science, project no. IP-2016-06-3811, leader: prof.dr.sc. Vlatka Rajčić, Faculty of Civil Engineering in Zagreb), 01.03.2017.-29.02.2020. 2. "Safety analysis and improvement of timber structures", Faculty of Civil Engineering, University in Zagreb / Ministry of Science and Technology of RC (br. 0082202) leader: dr.sc. M.Haiman, 08/2001.-12/2005. 3. "Studies of safety and load-bearing capacity of timber structures", Faculty of Civil Engineering, University in Zagreb / Ministry of Science and Technology of RC (no. 082017) leader: prof.dr.sc. Zvonimir Žagar, 02/2001.-07/2001. 4. "Expert systems in structural design of timber structures", Faculty of Civil Engineering, University in Zagreb / Ministry of Science and Technology of RC (no. 1-02-024), leader: prof.dr.sc. Zvonimir Žagar, 06/1992.-05/2000.

	Other research projects 5. "Damage assessment and reinforcing of structures", Faculty of Civil Engineering, University in Rijeka / (funded by University in Rijeka), leaders: prof.dr.sc. Nenad Bićanić / assoc.prof.dr.sc. Ivana Štimac Grandić, 2014.-2016 6. "Research of architectural heritage of Rijeka city and its surroundings" (part of project: "Launch pad station of Torpedo factory") Faculty of Civil Engineering, University in Rijeka / Foundation of University in Rijeka (leader: doc.dr.sc. Aleksandra Deluka-Tibljša; sub-leader: doc.dr.sc. Gordan Jelenić), 3/2007.-3./2008.
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Supervision of MSc theses	0
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Supervision of PhD theses	0
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Examination of MSc theses	1
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Examination of PhD theses	5
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