


Име и презиме	Снежана Врекић	
Изборно звање	Предавач струковних студија	
Телефон	064/4105002	
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Консултације	Понедељак: 12-14h	
Уже области	Машинство и инжењеринг	
Предмети		
Назив	Студијски програм	Ниво студија
<ul style="list-style-type: none"> • Машински елементи • Техничко цртање са компјутерском графиком 	Привредно инжењерство	Основне
<ul style="list-style-type: none"> • Нацртна геометрија • Машински елементи • Техничко цртање • Техничко цртање са компјутерском графиком 	Друмски саобраћај	Основне
<ul style="list-style-type: none"> • Нацртна геометрија • Машински елементи • Техничко цртање • Компјутерска графика • Средства унутрашњег транспорта • Хидраулика и пнеуматика 	Мотори и возила	Основне
<ul style="list-style-type: none"> • Нацртна геометрија • Машински елементи • Техничко цртање • Компјутерска графика 	Урбано инжењерство	Основне
Напомена		

CURRICULUM VITAE

PERSONAL DETAILS

	Name and surname	Snezana Vrekić
	Year and place of birth	03.03.1955
	Title	M.Sc.
	E-mail/web site	vreki@yahoo.com
	Phone	+381 64 41 05 002
	Educational/scientific/ artistic field	Mechanical engineering
	University, faculty, organizational unit	Technical college at applied studies, Kragujevac
	Field and subspecialisation	Designing, numerical calculation, computer graphics, descriptive geometry, power transmissions

PROFESSIONAL BIOGRAPHY - DEGREES

Basic studies	Faculty of Mechanical Engineering, University of Kragujevac, 1980.
Magistry thesis	Faculty of Mechanical Engineering, University of Kragujevac, 2002. "Static experiments of thinwalled girders with complex cross section using finite element method"
Doctoral thesis	

PROFESSIONAL BIOGRAPHY – TITLES/ Work experiens

Year of election (reelection)	
2016.-	Technical college at applied studies, Kragujevac / Lecturer for Professional Studies-reelection
2010	Technical college at applied studies, Kragujevac / Lecturer for Professional Studies
2007.	Factory "Zastava automobili"- R&D Centre Institute / Research associate - reelection
2003.	Factory "Zastava automobili"- R&D Centre Institute / Research accessory
1980-2002	Factory "Zastava automobili"- R&D Centre Institute / Best engineer
1980-1981	School for adult education "RADNIK"- "Voja Radic" Kragujevac / Lecturer

PROFESSIONAL BIOGRAPHY - TRAINING

(in the country, abroad, study visits, visiting professorships)

Year and duration	
1984-1 month	Study stay in German-DAAD foundation, Germany

PARTICIPATION IN PROJECTS OF INTERNATIONAL RELEVANCE AND IN NATIONAL PROJECTS LASTING SEVERAL YEARS

List of projects
Project of the Ministry of Education and Science of the Republic of Serbia for the period 2011-2013, "Research of vehicle safety as part of the cyber system: Driver-Vehicle-Environment", TR35041
Research and development of Zastava 10 on compressed natural gas
Software development for explicit non-linear dynamic analysis-TR 12005
Research and reconstruction of Zastava vehicles in order to meet regulations and market demands- TR6301B
Development of software for strength analysis and verification of service life of the construction-TR6204

'Development and accomplishment restyling passenger cars, equipments, systems and components', Ministry of Science, Technologies and Development of Republic Serbia, (MIS.3.06.0040.B), 2002-2004.
'Development of methods and software for analysis, simulation and optimization of processes of large strain in machine industry', Ministry of Science, Technologies and Development of Republic Serbia, (MIS.3.07.0258.A), 2002-2004.

AWARDS AND ACKNOWLEDGEMENTS

Year	Name of the awards/acknowledgements
2005	Миловановић М., Врекић С., Грубиша М., Prototype of the Koral car body according to ECE 94, technical solution (M82)
2005.	Based on the decision of the Program Committee of the YU INFO 2005 Conference, has praised the work
2014	Newspaper "International Journal of Mechanical Engineering and Automation"- praised work presented at the RaDMI 2013 gathering

REFERENCE

<p>Papers in leading journals of international relevance: A leading international journal is ranked in the journals from the SCI list by science/field categories.</p> <p>1. Kokić M., Vrekić S., (2007) <i>Characteristics and Swot Analysis of Serbian Vehicle and Automotive Parts Manufacturers, DAAAM International Scientific Book 2007, Publisher DAAAM International Vienna, Vienna, Austria</i>, ISBN 3-901509-60-7, ISSN 1726-9687, DOI: 10.2507/ daaam.scibook.2007.53, pp.599-610, Vienna 2007.g.</p>
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<p>Papers in a leading journal of national relevance, typically published in the local language:</p> <ol style="list-style-type: none"> 1. Врекић С., Живковић М., Миловановић М., (2004), <i>Статичке анализе стандардних и ојачаних танкозидних носача путничког аутомобила</i>, часопис Застава бр.39, децембар 2004, ISBN 0352-292X, COBISS.SR-ID 4376066. 2. Врекић С., (2005), <i>Рециклажа каросеријских делова путничког аутомобила и заштита животне средине</i>, часопис Квалитет, година XV, број 7-8, ISSN 0354-2408, UDC 006+658.5 3. Врекић С., (2013), <i>Извори загађења амбијенталног ваздуха и последице по животну средину</i>, Фестивал квалитета 2013, 23-25.мај 2013. Крагујевац, ИСБН 978-86-86663-93-1, А370-А374. 4. Врекић С., <i>Прилог рециклирању материјала у ауто индустрији и угрожавање животне средине</i>, Фестивал квалитета 2012, 7-9.јун 2012. Крагујевац, ИСБН 978-86-86663-83-2, А259-А252. 5. Врекић С., <i>Параметарско моделирање као подлога за фреквентну анализу носача</i>, 17th Conference and exhibition YUINFO 2011, Копаоник, Serbia, 06.03.-09.03.2011., ISBN 978-86-85525-08-7, pp.1-5. 6. Врекић С., <i>Параметарско моделирање у софтверским CAD/CAM/CAE пакетима</i>, конференција о рачунским наукама и информационим технологијама ЈУИНФО 10, Копаоник 03.03.-06.03.2010., CD, ISBN 978-86-85525-05-6., str.1-4. 7. Врекић С.,(2008), <i>Примена нумеричких метода за одређивање напонско-деформационох стања ослонаца мотора</i>, 14. симпозијум ЈУИНФО 2008, Копаоник, 09-12.03.2008, ISBN 978-86-85525-03-2 8. Врекић С., (2007), <i>Примена степ стандарда у комуникацији CAD/CAM система</i>, 13. симпозијум ЈУИНФО 2007, 12-15.03.2007, Копаоник, ISBN 978-86-85525-02-5. 9. Kokić A., Vrekić S., (2007), <i>Changes in GHG emissions and EURO standards</i>, International Journal for Quality research, Volume 1, Number 2, 2007, ISSN 1800-6450, Крагујевац, UDK-006.35(4)CEN:621.43.068, pp. 140-145. 10. Врекић С., Живковић М., Миловановић М., (2006), <i>Примена методе коначних елемената у прорачунима танкозидних носача</i>, симпозијум о рачунарским наукама и информационим технологијама ЈУИНФО 2006, Копаоник, 6-10.03.2006, ISBN 86-85525-01-2. 11. Врекић С., Живковић М., Миловановић М., (2005), <i>Примена методе коначних елемената у пројектовању делова каросерије</i>, симпозијум о рачунарским наукама и информационим технологијама ЈУИНФО 2005, Копаоник, 7-11.03.2005, ISBN 86-85525-01-2.
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12. Vrekić S., (2009), *3D model-značajan deo inženjerskog projektovanja i proračuna*, 9. Međunarodna konferencija o dostignućima elektrotehnike, mašinstva, i informatike, DEMI 2009, Универзитет у Бањалуци-Машински факултет, Бањалука, Република Српска, Босна и Херцеговина, 28.-29. 05. 2009, стр. 121-126, ISBN 978-99938-39-23-1
13. Врекић С., Живковић М., Миловановић М., (2007), *Методолошки приступ ојачавања критичног каросеријског споја носеће конструкције возила*, VIII Међународно савјетовање о достигнућима електротехнике, машинства и информатике ДЕМИ 2007, Бањалука, 25-26.5.2007, ISBN 978-99938-39-15-6.
14. Обрадовић Д., Врекић С., (2006), *Процес пројектовања као фаза развоја производа*, scientific-export meeting Research and development of mechanical elements and systems IRMES' 06, Banjaluka, 21.-22. September 2006, p.41-46, ISBN 99938-39-13-2.
15. Врекић С., (2005), *Recycling of cars parts of passenger cars and protection of the environment*, Међународно саветовање о квалитету SQM2005, Машински факултет Универзитета у Подгорици у сарадњи са Пословном политиком, Тиват, 12.-14. септембар 2005, стр.1-6, ISBN 0353-8176.
16. Врекић С., (2005), *Анализа конструктивних параметара предњег и задњег седишта путничког аутомобила*, VII Међународни научно-стручни скуп о достигнућима електро и машинске индустрије, ДЕМИ 2005, Бањалука, 27.-28. мај 2005, ISBN 99938-39-08-6, стр.597-602.
17. Врекић С., Живковић М., Миловановић М., (2004), *Статичке анализе стандардних и ојачаних танкозидних носача путничког аутомобила*, XIII International Scientific Meeting - MVM 2004, 04.-6. 10. 2004, Крагујевац, ЦД, стр.15-22.
18. Врекић С., Живковић М., Миловановић М., (2003), *Прилог истраживању танкозидних носача сложеног пресека са прорачуном методом коначних елемената*, XIX International Conference with Exhibition Science and Motor Vehicles 2003, ЈУ-03130, Belgrade 26-28 Мај 2003, ISBN 86-80941-29-8.
19. Врекић С., Живковић М., Миловановић М., (2002), *Статичка испитивања танкозидних носача са прорачуном методом коначних елемената*, XII Међународни симпозијум Моторна Возила Мотори-MVM 2002, 7.-9. октобар 2002, Крагујевац, стр.169-172.
20. Vrekić S., Lazarević A., Petrović Z., (2000), *Razvoj i usavršavanje zadnjeg sedišta vozila Florida*, XI International scientific symposium MVM 2000, Kragujevac 5.-7.10. 2000.g, Kragujevac, YU-00050, pp. 213-216.

Presentations by invitation at a meeting of international relevance, published in full:

1. Vrekić S., (2017), Recommendations for lubrication and thermal capacity of worm gears, 17th International Conference "Research and Development in Mechanical Industry" RaDMI 2017, 14. - 17. September 2017, Zlatibor, Serbia, pp.212-217, ISBN 978-86-6075-062-6.
2. Vrekić S., Đorđević M., (2016), Index of quality of life and index of global aging, 1st International conference on Quality of Life, June 2016, Center for Quality, Faculty of Engineering, University of Kragujevac, pp.137-142, ISBN: 978-86-6335-033-5.
3. Đorđević M., Vrekić S., (2016), Impact of mechanical engineering on quality of life, 1st International conference on Quality of Life, June 2016, Center for Quality, Faculty of Engineering, University of Kragujevac, pp.237-242, ISBN: 978-86-6335-033-5.
4. Vrekić S., Đorđević M., (2015), Characteristics of the system to reduce emissions of motor vehicles, V International Conference Industrial Engineering and Environmental Protection 2015 (IIZS 2015) October 15-16th, 2015, Zrenjanin, Serbia, ISBN: 978-86-7672-264-8.
5. Vrekić S., (2015), Principles of descriptive geometry as basis for correct 3D modeling, 9th International Quality Conference, June 2015, Center for Quality, Faculty of Engineering, University of Kragujevac, ISBN: 978-86-6335-015-1.
6. Vrekić S., Đorđević M., (2014), *Decrease stress concentration of welded structures proper design*, 14th International Conference "Research and Development in Mechanical Industry" RaDMI 2014, 18. - 21. September 2014, Topola, Serbia, Vol.1, pp.299-304, ISBN 978-86-6075-047-3.
7. Vrekić S., (2014), *Impacts of road and rail transport on the environmental*, 8th International Quality Conference, May 23th 2014, Kragujevac, ISBN: 978-86-6335-004-5., pp.91-97.
8. Vrekić S., (2013), *Important air pollutants and their impact on health and the environment*, 13th International Conference "Research and Development in Mechanical Industry" RaDMI 2013, 12. - 15. September 2013, Копачица, Serbia, Vol.1, pp.605-610, ISBN 978-86-6075-042-8.

9. Vrekić S., Đorđević M., (2012), *Possibility to increase of catalytic safety of car*, 12th International Conference "Research and Development in Mechanical Industry" RaDMI 2012, 14. - 17. September 2012, , Serbia, Vol.2, pp.1231-1236, ISBN 978-86-6075-035-0.
10. Vrekić S., Živković M., Milovanović M., Dišić A., *Investigation of influence reinforcements in circumstances when the asymmetric load acting on girder*, (2010), XVIII International scientific-technical conference TRANS&MOTAUTO'10, Ruse 6th-7th July 2010, Bulgaria, pp.1-34,ISSN 1313-5031.
11. Vrekić S., (2011), *Integration of 3D design structure of vehicle parts to increased passive safety vehicle*, 11th International Conference "Research and Development in Mechanical Industry" RaDMI 2011, 15. - 18. September 2011, Sokobanja, Serbia, Vol.1, pp.584-592, ISBN 978-86-6075-027-5.
12. Vrekić S., (2011), *The life cycle assessment of vehicles, recycling materials and their impact on the environment*, 5th International Quality Conference, May 20th 2011, Kragujevac, ISBN: 978-86-86663-68-9., pp.185-192.
13. Vrekić S., (2011), *The life cycle assessment of vehicles, recycling materials and their impact on the environment*, 5th International Quality Conference, May 20th 2011, Kragujevac, ISBN: 978-86-86663-68-9., pp.185-192.
14. Vrekić S., (2010), *Effects from development of euro standards and promotion use of alternative fuels*, 10th International Conference "Research and Development in Mechanical Industry" RaDMI 2010, 16. - 19. September 2010, Donji Milanovac, Serbia, Vol.1, CD, pp.460-465, ISBN 978-86-6075-017-6.
15. Vrekić S., (2009), *Criteria for the design of aluminum in vehicle applications*, 9th International Conference "Research and Development in Mechanical Industry", RaDMI 2009, 16. - 19. September 2009, Vrnjačka banja, Serbia, Vol.1, CD, pp.415-419, ISBN 978-86-6075-007-7.
16. Kokić M., Djordjević M., Vrekić S., (2008), *Benefits of vehicles weight reduction with use of aluminium*, International Congress-Motor Vehicles & Motors MVM 2008, Kragujevac, oktober 8th-10th 2008, book of abstracts - p.43, CD, pp.1-7, ISBN 978-86-86663-39-9.
17. Vrekić S., (2008), *Car body design with lightweight materials*, 8th International Conference "Research and Development in Mechanical Industry", RaDMI 2008, 14 - 17. September 2008, Užice, Serbia, CD, ISBN 978-86-83303-24-8.
18. Vrekić S., Kokić M., Kokić Arsić A., (2007), *Standards that connect software in product life cycle*, 7th International Conference "Research and Development in mechanical Industry", RaDMI 2007, 16.-20. September 2007, Belgrade, Serbia, pp.679-683., ISBN 978-86-83803-22-4.
19. Kokić M., Kokić Arsić A., Vrekić S., (2007), *Changes in GHG emissions and EURO sandaeds*, Quality Festival 2007, 8.-11. May 2007, 1. International Quality Conference, Kragujevac, ISBN 86-86663-7-9.
20. Kokić M., Vrekić S., Obradović D., (2006), *Prospects and conditions for wider use of alternative fuels*, International Congress Motor Vehicles Motors&Motors 2006, Kragujevac, October 4th-6th, 2006, ISBN 86-80581-94-1.
21. Vrekić S., Kokić M., (2006), *CAD/CAM tools in computer systems*, 6th International Conference "Research and Development in mechanical Industry", RaDMI 2006, 13.-17. September 2006, Budva, Serbia and Montenegro, ISBN 86-83803-21-X.
22. Vrekić S., Živković M., Milovanović M., (2005), *Experiments and modeling standard thinwalled girders of passenger cars*, 5th International Conference "Research and Development in mechanical Industry", RaDMI 2005, 04.-07. September 2005, Vrnjacka Banja, Serbia, p.668-673, ISBN 86-83803-20-1.
23. Vrekić S., Živković M., Milovanović M., (2002), *Static experiments of thinwalled girders with complex cross section using finite element method*, Fourth International Conference Heavy Machinery-HM' 02, Краљево, 28.-30. Јуне 2002, pp.F 25-28.
24. Vrekić S., Stanojević M., Kokić M., (2010), *Advancing the design process with the application of the Catia software package*, MACHINE design: on the occasion of 48th anniversary of the Faculty of Technical Sciences:1960-2008/the editor of the monograph S.Kuzmanović 2008, Novi Sad, ISBN 978-86-7892-105-6, COBISS.SR-ID 230893319, pp.9-12.
25. Stanojević M., Kokić M., Vrekić S., (2008), *Survey of development of transmissions on Zastava cars and up-to-date solutions of global producers*, (MACHINE design: on the occasion of 48th anniversary of the Faculty of Technical Sciences:1960-2008/the editor of the monograph S.Kuzmanović 2008, Novi Sad, ISBN 978-86-7892-105-6, COBISS.SR-ID 230893319, pp.95-100.

MANUSCRIPT REVIEWING FOR INTERNATIONAL JOURNALS

List of manuscripts reviewed

1. Vrekić S., Đorđević M., (2016), Geometric modeling and principle of the golden section, 6 TH INTERNATIONAL CONFERENCE ON APPLIED INTERNET AND INFORMATION TECHNOLOGIES 3-4 JUNE 2016, BITOLA, R. MACEDONIA, pp. 213-219, ISBN: 978-9989-870-75-0.
2. Vrekić S., Živković M., Milovanović M., Dišić A., (2010), *Investigation of influence reinforcements in circumstances when the asymmetric load acting on girder*, (2010), International Virtual Journal for science, technics and innovations for industry "Machines, Technologies, Materials", Sofia, Bulgaria, year IV, issue 7/2010, ISSN 1313-0226, pp.33-36.
3. Vrekić S., Živković M., Milovanović M., (2009), *Stress field and deformation of critical car body joints*, XVI International scientional – technical conference trans&MOTAUTO '09, Technical University Varna, Sunny beach, Bulgaria, September 17th-19th 2009, Vol. 2, CD, pp.48-15, ISSN 1313-5031.
4. Kokić Arsić A, Kokić M. Vrekić S, (2007), *ISO/TS 16949:2002 standard for automotive industry*, 2th International Conference ICQME2007, Budva, Montenegro, 12.-14. September 2007, pp.226-231.
5. Vrekić S., Kokić M., Kokić Arsić A., (2007), *Actual development trends on lightweight motorcar construction with retrospective view on hydroforming*, XIV International scientific-technical conference TRANS&MOTAUTO' 07, Rousse, 08-10 November 2007, Bulgaria, CD, ISBN 978-954-9322-22-4, pp.1-4.
6. Kokić M., Obradović D., Vrekić S., (2007), *LPG and CNG as alternative fuels for vehicle drive*, 11th European Automotive Congress EAEC 2007, Budapest, 30 May -1 June 2007.
7. Obradović D., Vrekić S., Ristić S., Radomirović A., (2006), *Field stress and strain of bearing's elastic supports of propulsion group*, XIII International scientific-technical conference TRANS&MOTAUTO' 06, Varna 26-28 October 2006, Bulgaria, p.82-85, ISBN -10: 954-9322-17-3, ISBN-13: 978-954-9322-17-0.
8. Vrekić S., Ristić S., (2006), *Regulation requests on passenger protection at side crasha*, XII International scientific-technical conference TRANS&MOTAUTO' 06, Varna 26-28 October 2006, Bulgaria, p.82-85, ISBN -10: 954-9322-17-3, ISBN-13: 978-954-9322-17-0.
9. Vrekić S., Stojadinović B., (2005), *Design recommendations for towing hooks*, Beograd 2005 EAEC EUROPEAN AUTOMOTIVE CONGRESS, 30th May-1 June 2005, Paper EAEC05YU-PS05-page 1-7, ISBN 86-894130-1, COBISS SR-ID 122413324.
10. Vrekić S., (2004), *Analysis of seats design concepts on middle class passenger car*, Conat 2004, International Automotive Congress, Brasov, Romania, 20.-22. October 2004, CD, Session C3-Conat 20043007, pp.1-6.