

PERSONAL INFORMATION

Snezana Petkovic



 Kralja Petra I Karadjordjevic 91, 78000 Banja Luka (Bosnia and Herzegovina)

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 petkovic1961@gmail.com

Sex Female | Date of birth 28/07/1961 | Nationality Serbian

WORK EXPERIENCE

1984–1989

Chief of maintain department

Industry of cellulose and paper - INCEL, Banja Luka (Bosnia and Herzegovina)

- maintenance of power plants
- organization and management of department

1989–1997

Assistant

University of Banja Luka, Faculty of Mechanical Engineering, Department for engines and vehicles, Banja Luka (Bosnia and Herzegovina)

1997–2002

Teaching assistant

University of Banja Luka, Faculty of Mechanical Engineering, Department for engines and vehicles, Banja Luka (Bosnia and Herzegovina)

2002–2008

Assistant Professor (Docent)

University of Banja Luka, Faculty of Mechanical Engineering, Department for engines and vehicles, Banja Luka (Bosnia and Herzegovina)

2008–2014

Associate Professor

University of Banja Luka, Faculty of Mechanical Engineering, Department for engines and vehicles and traffic, Banja Luka (Bosnia and Herzegovina)

2014–Present

Professor

University of Banja Luka, Faculty of Mechanical Engineering, Department for engines and vehicles and traffic, Banja Luka (Bosnia and Herzegovina)

EDUCATION AND TRAINING

03/01/2016

Training Course- alpha Personal Network, introduction and usage training

MSA - The Safety Company

From 08/07/20145- 10/07/2015

Internal auditor for quality management systems of testing and calibration laboratories according to DIN EN ISO/IEC 17025:2005 Certificate Registration No 15/3331/10/01/15/002

TUV Thüringen e.V.

- 03/04/2015 **CERTIFICATE for safety adviser for transport of dangerous goods (No 108/2015)**
Directorate for the transport of dangerous goods, Serbia
- 04/2014 **Training for acquiring certificates for authorized service company MSA-The Safety Company**
MSA - The Safety Company
- 24/07/2013 **Certificate - Self Contained Breating Apparatures, Lung Governed Demand Valves Series Auto Maxx and LA 96, Full face Masks Series Ultra Elite and 3S, Cylinder and Cylinder Valves, Training Course**
MSA - The Safety Company
- 23/02/2012 **Certificate -Smart CHECK and TecBOS User Training Course**
MSA - The Safety Company
- 04/11/2009 **Certificate - Course C3 in the field of forensic engineering, Automotive, damage assessment and technical checks**
Faculty of Mechanical Engineering, Laboratory for forensic automotive engineering, Beograd (Serbia)
- 1989–1991 **Master of Science – MSc.**
Faculty of Mechanical Engineering and Naval Architecture and Faculty of Mechanical Engineering in Banja Luka, Zagreb and Banja Luka (Croatia, Bosnia and Herzegovina)
Principal subjects: IC Engines/*Exploring the impact of current phenomenon in the gas exchange process in IC engines.*
Mentor: Prof. Dragoljub Radonjic (Faculty of Mechanical Engineering Kragujevac, Serbia)
- 2002 **Doctor of science - PHD**
University of Banja Luka, Faculty of Mechanical Engineering,, Banja Luka (Bosnia and Herzegovina)
Principal subjects: IC Engine/*Optimization of the engine exhaust system at low temperature mode.*
Mentor: Prof. Radivoje Pesic (Faculty of Mechanical Engineering Kragujevac, Serbia)
- 1980–1984 **Graduate Mechanical Engineer**
Faculty of Mechanical Engineering, Banja Luka (Bosnia and Herzegovina)

PERSONAL SKILLS

Mother tongue(s) Serbian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B1	B1
Russian	B1	B2	B1	A2	A2

Croatian C2 C2 C2 C2 C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Effective team-working to achieve objectives within time constraints; High level of proficiency; Excellent communication skills

Organisational / managerial skills Flexibility to respond to changing priorities and to work under pressure at busy times; team player who is hands-on, can adapt to the situations quickly and can fulfil a variety of roles as and when required

Job-related skills A lot of experience in organizing work teams and business management.
 Preparing and conducting a number of projects for industrial enterprises.
 Achieved good contacts with many companies and government institutions.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Basic user	Basic user

Digital competences - Self-assessment grid

ADDITIONAL INFORMATION

Publications - books

1. Petkovic S. BIODIESEL - The impact on the lubricant and operating characteristics of the engine. Monograph. Banja Luka Academy of Arts and Sciences of the Republic of Srpska, Book 21, 2014.
2. Veinovic S, Pesic R, Petkovic S. Motor vehicles and engines - operating materials. Kragujevac, University of Kragujevac, Faculty of Engineering, 2014.
3. Petkovic S, Ajanovic M. Construction of the bus. Doboj: University of East Sarajevo, Faculty of Transport and Traffic Sciences, 2014.
4. Pesic R, Petkovic S, Veinovic S. Motor vehicles and engines - Equipment, Banja Luka-Kragujevac, Faculty of Mechanical Engineering Banja Luka, Faculty of Mechanical Engineering Kragujevac; , 2008.
5. Veinovic S, Pesic R, Petkovic S. Operating materials for motor vehicles. Banja Luka-Kragujevac, Faculty of Mechanical Engineering Banja Luka, Faculty of Mechanical Engineering Kragujevac, 2000.

Publications

1. Pesic R, Davinic A, **Petkovic S**, Taranovic D, Miloradovic D. *Aspects Of Volumetric Efficiency Measurement For Reciprocating Engines*. Thermal Science Journal, 2013; 17(1): 35-48.
2. **Petkovic S**, Pesic R, Lukic J. *Experimental Verification Of Mathematical Model Of The Heat Transfer In Exhaust System*. Thermal Science Journal, 2011; 15 (4): 1035-1048.
3. Pesic R, Davinic A, Taranovic D, Miloradovic D, **Petkovic S**. *Experimental Determination Of Double Vibe Function Parameters In Diesel Engines With Biodiesel*. Thermal Science Journal, 2010; 14 (Supplement):197-208.
4. **Petkovic S**, Pesic R, Lukic J. *Heat Transfer In Exhaust System Of A Cold Start Engine At Low Environmental Temperature*. Thermal Science Journal, 2010; 15 (Supplement): 209-220.
5. Golubovic-Bugarski V, **Petkovic S**. *Noise of road vehicles in the vicinity of the exhaust systems*. Mobility and Vehicle Mechanics, 2012; 38 (2): 35-45.
6. Pesic R, Adzic M, Petkovic S, Hnatko E, Djokic D, Veinović S. *The future is ecological engagement*

of energy, Tractors and power machines, 2011, 16(3): 24-31.

Conferences

1. **Petkovic S.** *Technical inspection of vehicles and traffic safety - World experience and the experience of Republic of Srpska.* International Congress "Motor vehicles & Motors 2014.
2. **Petkovic S,** Dugic P, Kovac O, Djuric Z, Vujica J. *Effect Of Biodiesel Blend On Lubricants Characteristics.* World Automotive Congress FISITA, Maastricht, Netherlands, 2-6 June 2014: F2014-CET-050.
3. Veinovic S, **Petkovic S,** Nikolic B, Hnatko E, Borak DJ. *Fuel quality and road transport challenges and pressures.* 11th International Conference on Accomplishments in Electrical and Mechanical Engineering and Information Technology DEMI 2013, Banja Luka, Republika Srpska BiH, May 30 - June 01 2013.
4. **Petkovic S,** Dugic P, Kovac O, Vujica J. *Effects of biodiesel on engine oil properties.* International Congress Motor Vehicles & Motors 2012, Kragujevac, Serbia, 3-5 October 2012: MVM2012-062.
5. Golubovic Bugarski V, **Petkovic S.** *Measurement of stationary noise of vehicles in use.* International Congress Motor Vehicles & Motors 2012, Kragujevac, Serbia, 3-5 October 2012: MVM2012-063 .
6. Petkovic S, Pesic R, Veinovic S. *The Influence Of Wave Processes In The Intake Exhaust System To The Volumetric Efficiency Of Engines.* 13th EAEC European Automotive Congress, Valencia, Spain, 13-16 June 2011: EAEC2011_A77.
7. **Petkovic S,** Dugic P, Kovac O, Pecanac M. *Effect Of Ethanol And Lead Gasoline Mix On Characteristics Of Lubricants.* World Automotive Congress FISITA, Budapest, Hungary, 30 May-2 June 2010: F2010A028.
8. Pesic R, Davinic A, **Petkovic S,** Taranovic D, Miloradovic D. *Volumetric efficiency problems in experimental determination.* Proceedings ISBN 978-86-86663-57-3, International Congress Motor Vehicles & Motors MVM 2010, Kragujevac, Serbia, 7-9 October 2010: MVM2010-061.
9. **Petkovic S,** Dugic P, Kovac O, Pecanac M. *Influence of ethyl alcohol blends on properties of engine oil.* International Congress Motor Vehicles & Motors MVM 2010, Kragujevac, Serbia, 7-9 October 2010: MVM2010-069.
10. Pesic R, **Petkovic S,** Golec K, Hnatko E, Veinović S. *Advance In Internal Combustion Engines, Biofuels And Delusions Of The "Kyoto Protocol".* International Congress Motor Vehicles & Motors MVM 2008, Kragujevac, Serbia, 8-10 October 2008: MVM20080061.
11. Pesic R, **Petkovic S,** Hnatko E, Veinovic S. *Delusions of the Kyoto Protocol, Biofuels and Diesel-Otto Engine,* Conference Proceedings of International conference Alternative fuels; Maribor, Slovenia, January 10-11. 2008.
12. **Petkovic S,** Pecanac M. *Influence of Different Mixtures of Ethanol and Unleaded Gasoline on Engine Performance,* Conference Proceedings of International conference Alternative fuels 2008, Maribor, Slovenia, January 10-11, 2008.
13. **Petković S,** Pesi R, Milasinovic A, Veinovic S. *Influence of low environmental temperatures on catalyst light of time;* 10h EAEC European Automotive Congress; Belgrade; 30th may-1st June 2005: Paper EAEC05YU-EN13.
14. Pecanac M, Radovanovic M, **Petkovic S.** *Choice stable mixture unleaded gasoline for vehicles with 3,5 and 10% ethanol and 0,1, 0,2, 0,3, 0,5 and 1% water,* International Congress Motor Vehicles & Motors 2006; Kragujevac, 4-6 October 2006: Paper MVM20060053.
15. **Petkovic S,** Pikula B. *Alternative Fuels Influence To Environment,* International Congress Motor Vehicles & Motors 2006; Kragujevac, 4-6 October 2006: Paper MVM 20060113.
16. Petkovic S, Kostic N, DuriC Z. *Technical inspection of vehicles in the future - the electronic control system of the vehicle.* IX International Conference "Traffic safety in the local community", Zajecar, Serbia, 9-11 April 2014: 359-364.

Projects - scientific

1. Transport EU-Western Balkan Network for Training, Support and Promotion of Cooperation in FP7 research activities (TransBonus), funded by FP7, 2009-2010
2. *The impact of the application of biodiesel to lubricants and environmental characteristics and engine*

- performance*. Ministry of Science and Technology of the Republic of Srpska (Agreement no. 06 / 0-020 / 961-144 / 09 dated 31.12.2009. Co-financing: Oil refinery Modrica.
2. *OBD and EOBD diagnostics*. Ministry of Science and Technology of the Republic of Srpska (Number 19 / 6-030 / 3-1-188-1 / 09 of 25.12.2009).
3. *Equipping of laboratories for engines with modern measuring equipment*. The Government of the Republic of Srpska (Austrian credit funds); (2009-2014).
4. *The impact of the use of alternative fuels to lubricants, environmental characteristics and engine performance*. Scientific research project co-funded by the Ministry of Science and Technology of the Republic of Srpska, 2007.
5. *Modernization of the curriculum in the field of engines especially regarding the environmental aspect of the engine*. Project funded by the European Commission through Individual Mobility Grants (IMGs) TEMPUS No 0015, 2001.
6. *Furnishing and modelling of modern electronic fuel injection systems in motors*. Project funded by the World University Service (WUS) Austria. Support Small Projects SSP; 2000 Project coordinated by Faculty of Mechanical Engineering Sarajevo.
7. *Equipping of the laboratory for engines and vehicles for monitoring the exhaust emissions from engine*. Project funded by the World University Service (WUS) Austria. Support Small Projects SSP; 1999.

Projects - professional

1. Petkovic S. et al: *Performing activities - periodic tests of technical and safety conditions of vehicles for the transport of dangerous goods*. The Ministry of Industry, Energy and Mining of the Republic of Srpska. (No. 05.06 / 052-3843-8 / 13 , 04.11.2013.
2. Petkovic S. et al: *Education institution for periodical technical inspections of vehicles of Republic of Srpska*. The Ministry of Transport and Communications of the Republic of Srpska. Banja Luka, 2012 .
3. Petkovic S. et al: *Approval of a vehicle-technical service*. Ministry of Transport and Communications. 2009. (Approval number: 01-03-2-5086 / 10 of 10.11.2010.