

# VLADIMIR PAJKOVIĆ

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University of Montenegro  
Podgorica 81000, MNE

## EDUCATION

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<b>PhD</b>	University of Montenegro, Faculty of Mech. Engineering Dissertation: "Investigation of flow processes in IC engine inlet port/valve annulus"	2005
<b>MS</b>	University of Belgrade, Faculty of Mech. Engineering Thesis: "Investigation of flow processes in IC engine cylinder using multiple hot-wire probes"	2000
<b>BS</b>	University of Montenegro, Faculty of Mech. Engineering	1989

## WORK/TEACHING EXPERIENCE

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**University of Montenegro**, Podgorica, MNE 1990 - present  
**Associate Professor**, Faculty of Mech. Engineering

### **Masters Students Advised**

Novica Čolović, "Effects of biodiesel as an alternative fuel in road transport" (in Serbian), 2011

Marko Lučić, "Intake manifold design and optimization using CFD" (in Serbian)

Vera Mirković, "Car recycling technology" (in Serbian)

## PUBLICATIONS

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### *Journal Publications*

Petrovic, S., Petrovic, V. and Pajkovic, V. (2017) Transport energy efficiency: Case of Serbia – a review, *IOSR Journal of Mechanical and Civil Engineering* (e-ISSN 2278-1684, p-ISSN 2320-334X), vol. 14, no. 2 ver. VI, pp. 32-39.

Grdinic, M., Pajkovic, V. (2016) Traffic risk mapping – risk distribution among the municipalities in Montenegro, *Trans&MOTOAUTO World* (ISSN 2367-8399), year I, issue 2/2016, pp. 26–30.

Pajkovic, V., Grdinic, M. (2014) Road traffic safety performance in Montenegro, *MTM – Machines, Technologies, Materials* (ISSN 1313-0226), year VIII, issue 2/2014, pp. 26–29.

Pajkovic, V.R. (2011) Valve flow generated by a tangential port in a production diesel engine, *MTM – Machines, Technologies, Materials* (ISSN 1313-0226), year V, issue 4, pp.70–73.

Ivanovic, V., Ivanovic, D., Pajkovic, V.R. (2011) Trigeneration with landfill gas, *Energetika-Ekonomija-Ekologija* (ISSN 0354-8651), god. XIII, br. 2, pp. 106–109. (in Serbian)

Pajkovic, V.R., Petrovic, S. (2008) Spatial flow velocity distribution around an inlet port/valve annulus, *Thermal Science* (ISSN 0354-9836), vol. 12, issue 1, pp.73–83.

Pajkovic, V.R., Petrovic, S. The experimental research of spatial flow velocity distributions in the inlet valve port of a standard production diesel engine, *Int. J. Mobility & Vehicles Mechanics* (ISSN 1450-5304), vol. 32, no. 3-4.

### ***Conference Papers (selected)***

(Peer-Reviewed)

Grdinic, M., Pajkovic, V. (2016) Traffic risk mapping – risk distribution among the municipalities in Montenegro, XXIV International Scientific and Technical Conference Trans&Motoauto '16, Proceedings, Vol. 3 (ISSN 1310-3946), Bulgaria, pp. 65–69.

Grdinic, M. and Pajkovic, V. (2016) Road safety perception: Gender differences – Montenegro case study, International Conference on Traffic and Transport Engineering – ICTTE '16, Proceedings (ISBN 978-86-916153-3-8, CPCI Thompson Reuters), Belgrade, pp. 649–654.

Mirkovic, V., Grdinic, M. and Pajkovic, V. (2015) Energy efficiency trends in the road transport sector in Montenegro, 17<sup>th</sup> Symposium on Thermal Science and Engineering of Serbia – SIMTERM '15, Proceedings (ISBN 978-86-6055-076-9), Nis, pp. 1083–1088.

Pajkovic, V., Grdinic, M. (2014) Road traffic safety performance in Montenegro, XXII International Scientific and Technical Conference Trans&Motoauto '14, Proceedings, Vol. 3 (ISSN 1310-3946), Bulgaria, pp. 32–35.

Pajkovic, V., Grdinic, M. (2014) Road safety – performance and perception: Montenegro case study, International Conference on Traffic and Transport Engineering – ICTTE '14, Proceedings (ISBN 978-86-916153-2-1, CPCI Thompson Reuters), Belgrade, pp. 375–383.

Pajkovic, V., Grdinic, M. (2013) An analysis of young driver accidents in road traffic using in-depth crash investigation data, 11<sup>th</sup> International Conference on Accomplishments in Electrical and Mechanical Engineering and Information

Technology – DEMI '13, Proceedings (ISBN 978-99938-39-46-0), Banja Luka, pp. 975–984.

Ivanović, V., Pajković, V., Ivanović, D., Dragović, B. (2013) Mogućnost primene deponijskog gasa kao alternativnog goriva u drumskom saobraćaju, Naučni skup o obnovljivim izvorima energije i energetske efikasnosti, Zbornik radova (ISBN 978-86-7215-337-8), CANU, Podgorica, pp. 71–80.

Ivanovic, V., Ivanovic, D., Pajkovic, V.R. (2011) Landfill gas as a fuel for a vehicle fleet for the city landfill, 10th Anniversary International Conference on Accomplishments in Electrical and Mechanical Engineering and Information Technology – DEMI '11, Proceedings, Banja Luka.

Pajkovic, V.R. (2011) Road traffic safety performance in Montenegro, 10th Anniversary International Conference on Accomplishments in Electrical and Mechanical Engineering and Information Technology – DEMI '11, Proceedings, Banja Luka.

## **PROJECT**

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“Stabilizing Greenhouse Gas (GHG) Emissions from Road Transport through Doubling of Global Vehicle Fuel Economy: Regional Implementation of the Global Fuel Economy Initiative (GFEDI)”, Regional Environmental Centre for Central and Eastern Europe (REC), Country Office Montenegro – member of Working group, 2015-2018.

“Starting programs for efficient fuel consumption in Montenegro: working group, starting points and points of view”, Regional Environmental Centre for Central and Eastern Europe (REC), Country Office Montenegro – member of Working group, 2011-2012.

## **PROFESSIONAL TRAINING**

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**Transport and Climate Change Course**, director and program leader  
University of Montenegro, Faculty of Mech. Engineering in cooperation with University  
Tuscia (Italy), Podgorica, April-May 2008.

## **PROFESSIONAL AFFILIATIONS**

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Centre for engines and vehicles, University of Montenegro, Faculty of Mech. Engineering,  
1990-present

## **PROFESSIONAL SERVICE**

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### **Symposium Co-Organizer**

Power source and transfer Conference, Montenegro, 1997

Power source and transfer Conference, Montenegro, 1999

Power source and transfer Conference, Montenegro, 2001

**Peer-Reviewed Articles for:**

- Thermal Science (ISSN 0354-9836)
- Proc. ImechE, Part D – Journal of Automobile Engineering (ISSN 0954-4070)

**LANGUAGES**

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**Serbian:** Native

**English:** Intermediate Listener/Speaker, Advanced Reading

**Russian:** Intermediate Listener/Speaker, Advanced Reading