

## Curriculum Vitae

**Jovan TANASKOVIĆ, Ph.D.**  
- Research Associate -



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### PERSONAL DATA

**Name and surname:** Jovan Tanasković, Ph.D.  
**Father's name:** Dobrica  
**Date of birth:** 13.09.1974.  
**Personal identification number:** 1309974761038  
**Marital status:** Married, father of two children

### CONTACT

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### EDUCATION

**March 2011**, Finished PhD studies at the Faculty of Mechanical Engineering of University of Belgrade, Department for Railway Engineering. Subject of PhD Thesis was „*Optimization and verification of collision kinetic energy absorbers of passenger coaches*“.

**May 2006**, Finished after-graduate studies at the Faculty of Mechanical Engineering of University of Belgrade, Department for Railway Engineering. Subject of Master Thesis was „*Research of the characteristics of collision energy absorbers of passenger coaches*“.

**November 1999**, Graduated from the Faculty of Mechanical Engineering of University of Belgrade, Department for Railway Engineering on the subject „*Super High Speed MAGLEV Transit Systems*“.

**Jun 1993**, Graduated from Mechanical-Electrical high school in Smederevska Palanka, Department for electrical energy technician.

**Languages:** English, Serbian

**Computer skills:** AutoCAD, SolidWorks, ANSYS, Microsoft Office (Word, Excel, PowerPoint), Corel Draw, Photoshop, Windows (XP, Vista, 7)

**Title:** Research Associate

**Additional education:** Introduction of JUS ISO 9000:2001 to the management (Seminar Manager: Ph.D. Nikola Vujanović, FIQA, Lead QMS Auditor).

**Others:** Reviewer for Journal of Experimental Techniques from October 2011.

### WORK EXPERIENCE

- **Research Associate** (from October 2011.) - Innovation Center of Faculty of Mechanical Engineering of University of Belgrade.
- **Research Associate** (10.2006.–10.2011) (**GOŠA Institute**), Research and Development of passive safety elements of Railway vehicles (Center for Engineering Software);
- **Head Development Engineer** (06.2006.-10.2006.) (**GOŠA Rolling Stock Company**) – Modernization of KT4 tram for Belgrade, Serbia;
- **Design Department Manager** (05.2003.-06.2006.) (**GOŠA Rolling Stock Company**, Smederevska Palanka, Serbia) – Folding entrance and sliding front door (electro-pneumatic drive) for passenger coaches for speeds up to 120km/h for Iranian railways; Closed

Double Deck car transportation wagon with MD52 bogie – wheel diameter 920mm (Upper platform and roof with hydraulic system, front door, hydraulic instalations and equipment under wagon) for Iranian railway; Steel structure for Airport PODGORICA - Montenegro;

- **Head Designer** (10.2000.-05.2003.) (**GOŠA Rolling Stock Company**, Smedervska Palanka, Serbia) – Closed Double Deck transportation wagon with WEGMAN bogie, wheel diameter 870mm (design of brake mechanism) for Greek railway;
- **Research Assistant** (02.2000.-10.2000.) („**Kirilo Savić**” Institute, **Belgrade**) – Development of hydro-dynamic transmission device for diesel shunting locomotives and diesel-motor trains power up to 440 kW.

**Area of professional interest:**

Railway Engineering (Research, Development, Design, Production of Railway vehicles)

**Technical Solutions:**

[1] Lučanin V., Simić G., Milković D., **Tanasković J.**, *Collision energy absorber of passenger coaches of capacity of 220 kJ*, Faculty of Mechanical Engineering of University of Belgrade, Belgrade, 2010.

[2] Radović N., Radisavljević I., Živković A., **Tanasković J.**, *Technology of welding the plate 6.0 mm thickness of AlMg2.5 alloy by using friction welding*, Faculty of Technology and Metalurgy of University of Belgrade, Belgrade, 2010.

[3] **Tanasković J.**, Lučanin V., Milković D., Simić G., Slavković M., *End Lamp ZS 01 Type LED*, Faculty of Mechanical Engineering of University of Belgrade, Belgrade, 2012.

**LIST OF PUBLISHED PAPERS:**

[1] **Tanasković, J.**, *Research of the characteristics of collision energy absorbers of passenger coaches*, Master Thesis, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, 2006.

[2] **Tanasković, J.**, Lučanin, V., *Research of the characteristics of collision Energy Absorbers of passenger coaches*, XII Scientific Conference on Railway, Faculty of Mechanical Engineering Nis, Proceedings, pp 201-204, Niš, 2006.

[3] **Tanasković, J.**, Lučanin, V., Radović, N., *Development of a Collision Energy Absorber of a Passenger Train*, 3<sup>rd</sup> International Conference: Deformation Processing and Structure of Materials, Proceedings, pp 125-131, Belgrade, 2007.

[4] Puharić, M., Kutin, M., Burzić, M., **Tanasković, J.**, *Simulation of Atmospheric Boundary Layer in Subsonic Wind Tunnels*, Eighth National Conference with International Participation – ETAI 2007, Ohrid, Republic of Macedonia, 19-21. September 2007.

[5] Puharić M., Kutin M., **Tanasković J.**, *Experimental research of effects of air pressure to the walls of bypassing high speed trains*, YUCOMAT 2007, The book of abstracts, Herceg Novi, 2007.

[6] **Tanasković, J.**, Lučanin, V., Radović, N., Golubović, S., *Tube absorber of passenger coaches in a collision – Kinetic energy*, Railway Interiors Expo 2007: Open Technology and Ideas Forum, <http://www.ukintpress-conferences.com/conf/rail07/special.html> , Köln, 2007.

[7] Lučanin, V., **Tanasković, J.**, Milković, D., Golubović, S., *Experimental Research of the Tube Absorbers of Kinetic Energy During Collision*, FME Transactions, Volume 35, No 4, page 201-204, Belgrade, 2007.

- [8] **Tanasković J.**, Lučanin V., Radović N., *Development of a collision energy absorber of a passenger train*, Metalurgija - Journal of Metallurgy, Volume 13, No 4, page 287-292, Belgrade, 2007.
- [9] Simić G., Lučanin V., **Tanasković J.**, Radović N., *Experimental research of characteristics of shock absorbers of impact energy of passenger coaches*, Journal of Experimental Techniques, Volume 33, Issue 4, page 29-35, 2009.
- [10] **Tanasković J.**, Lučanin V., Vasović I., Golubović S., *Experimental research of a collision energy absorber of a passenger train*, 26<sup>th</sup> Danubia-Adria Symposium, Montanuniversitat Leoben, Proceedings, pp 225-226, Leoben, Austria, 2009.
- [11] Lučanin V., **Tanasković J.**, *Research of collision energy and absorbers dynamic of passenger train*, 27<sup>th</sup> Danubia-Adria Symposium, Proceedings, pp 123-124, Wrocław University of Technology, Wrocław, Poland, 2010.
- [12] Lučanin, V., **Tanasković, J.**, *Experimental researches of characteristics of tube absorber of collision kinetic energy of passenger coaches – Crash Test*, XIV Scientific Conference on Railway, Faculty of Mechanical Engineering of University of Nis, Proceedings, pp 75-78, Niš, 2010.
- [13] **Tanasković J.**, *Optimization and verification of collision kinetic energy absorbers of passenger coaches*, PhD Thesis, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, 2011.
- [14] **Tanasković J.**, Lučanin V., *Experimental investigations and numerical simulations of tube shrinking collision energy absorber*, 28<sup>th</sup> Danubia-Adria Symposium, Proceedings, pp 129-130, Siófok, Hungary, 2011.
- [15] **Tanaskovic J.**, Lučanin V., Milković D., Simić G., Miloš M., *Experimental Research of Characteristics of Modified Tube Absorbers of Kinetic Collision Energy of Passenger Coaches*, Journal of Experimental Techniques, Published Online, December, 2011. DOI: 10.1111/j.1747-1567.2011.00800.x
- [16] **Tanasković, J.**, Milković, D., Lučanin, V., Simić G., *Experimental and numerical determination of tube collision energy absorbers characteristics*, FME Transactions, Volume 40, No 1, page 11 - 16, Belgrade, 2012.
- [17] **Tanasković J.**, Milković D., Lučanin V., Mitrović R., *Experimental research of combined tubes collision energy absorber*, 29th Danubia-Adria Symposium, Proceedings, pp 206-209, Belgrade, Serbia, 2012., **M33 – 1**
- [18] Milković D., Simić G., Jakovljević Ž., **Tanasković J.**, Lučanin V., *Wayside monitoring system for wheel-rail contact forces measurements*, 29th Danubia-Adria Symposium, Proceedings, pp 242-245, Belgrade, Serbia, 2012., **M33 – 1**
- [19] **Tanasković J.**, Milković D., Lučanin V., *Experimental reseraches and numerical simulations of combined collision energy absorber*, XV Scinetific-expert conference on railways RAILCON 2012, Proceedings, pp 25-28, Niš, Serbia, 2012., **M33-1**

- [20] Milković D., **Tanasković J.**, Simić G., *Experimental and numerical analysis of flat cars connections between pivoting stanchions and main longitudinal beams*, XV Scientific-expert conference on railways RAILCON 2012, Proceedings, pp 5-8, Niš, Serbia, 2012., **M33-1**
- [21] **Tanaskovic J.**, Miskovic Z., Lucanin V., Mitrovic R., *Experimental Investigation of Characteristics of Passive Safety Elements*, Advanced Materials Research Vol. 633, pp 290-300, Trans Tech Publications, Switzerland, 2013. (DOI:10.4028/www.scientific.net/AMR.633.290)

**National projects:**

1. **Development of elements of passive safety in collision of rolling stock** (Reg. No.: TD-7016), Participated in the Project as a participant, Ministry of Science and Technological Development, Serbia, 2005.-2007.;
2. **Research and development of supporting structure and evaluation of rolling stock passive safety elements materials** (Reg. No.: TR-14018), Technologic Development Research Program – Ministry of Science and Technological Development, Serbia, 2008-2010;
3. **Mastering of structure components production by friction welding** (Reg. No. TR-19050), Technologic Development Research Program – Ministry of Science and Technological Development, Serbia, 2008.-2010.;
4. **Research of fatigue, fracture mechanics and reliability of mining and energy production structures** (Reg. No.: TR-14009), Technologic Development Research Program – Ministry of Science and Technological Development, Serbia, 2008.-2010.
5. **Popularization of Technical Sciences in the Danubian-Branicevo - SCIENCE IN THE FUTURE**, Program for the encouragement, promotion and popularization of science - Ministry of Science and Technological Development, Serbia - Project Manager, 2010.
6. **Sustainability and improvement of mechanical systems in energetic, material handling and conveying by using forensic engineering, environmental and robust design** (Reg. No.: TR-35006), Technologic Development Research Program – Ministry of Science and Technological Development, Serbia, 2011.-2014.
7. **Scientific-technological support to enhancing the safety of special road and rail vehicles**, (Reg. No.: TR-35006), Technologic Development Research Program – Ministry of Science and Technological Development, Serbia, 2011.-2014.