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## Popis objavljenih radova vezanih uz temu predavanja

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**SVEUČILIŠTE U ZAGREBU**

**GRAĐEVINSKI FAKULTET**

**Zavod za prometnice**

*Katedra za željeznice*

1. **Lakušić, S.**, Bogut, M.: **"Noise and vibration of tram tracks – differences between discrete and continuous rails installations"**, 26<sup>th</sup> Conference on Transportation Systems with International Participation (AUTOMATION IN TRANSPORTATION 2006), Split, Croatia, 08-11 November 2006. *(Članak je trenutno na recenziji)*
2. **Lakušić, S.**, Bogut, M.: **"Tram track vibration intensity dependence on rail fastening system"**, The 35<sup>th</sup> International Congress and Exposition on Noise Control Engineering (INTER NOISE 2006), (Ed. D. Holger & S. Kuwano), Honolulu, Hawaii, USA, Paper N307, 3<sup>rd</sup>-6<sup>th</sup> December, 2006. *(Članak je prihvaćen za objavljivanje)*
3. **Lakušić, S.**, Rak, M., Damjanović, D.: **"Fatigue strength testing of rail welding"**, 23<sup>rd</sup> DANUBIA ADRIA Symposium on Experimental Methods in Solid Mechanics, (Ed. O. Bokuvka), Podbanske, Slovakia, pp. 161-162, 26-29 September 2006.
4. **Lakušić, S.**, Bartoš, D.: **"Numerical analysis of the rail fastening spring clips"**, European Modelling Symposium, (Ed. J. Pollard), London, UK, pp. 27-31, 11-12 September 2006.
5. **Lakušić, S.**: **"Impact of tram traffic on noise and vibrations"**, Electronic Journal "Technical Acoustics", <http://www.ejta.org>, 2006, 13.
6. **Lakušić, S.**: **"The impact of the rail welds geometry on the noise in urban zones"**, 12th International Conference on Urban Transport and the Environment in the 21st Century (URBAN TRANSPORT 2006), (Eds. C.A. Brebbia & V. Dolezel), Prague, Czech Republic, pp. 643-652, 12-14 July 2006.
7. **Lakušić, S.**: **"Utjecaj kretanja tramvaja na razinu buke i vibracije"**, Znanstveni skup - Prometna problematika grada Zagreba, (Ur. J. Božičević), Zagreb, Hrvatska, pp. 247-256, 12-13 lipnja 2006.
8. **Lakušić, S.**, Lazarević, D., Dvornik, J.: **"Dinamička analiza međudjelovanja tramvaja i kolosijeka"**, Građevinar 58 (2006) 4, str. 281-288.
9. **Lakušić, S.**, Bartoš, D., Vinski, T.: **"Numerical analysis and comparison of the Pandrol and Vossloh elastic fastening spring clips"**, The 5th Youth Symposium on Experimental Solid Mechanics (5<sup>th</sup> YSESM), (Ed. P. Kostial), Puchov, Slovakia, pp. 112-117 (Paper Number 29), 10-13 May 2006.
10. **Lakušić, S.**, Kecur, R.: **"The impact of the geometry of rail welds on noise level in urban environments"**, Australian Acoustical Society Annual Conference 2005 (ACOUSTICS 2005), Busselton, Western Australia, pp. 221-225, 9-11 November 2005.
11. **Lakušić, S.**, Dragčević, V., Rukavina T.: **"Tram type impact on noise level"**, 25<sup>th</sup> Conference on Transportation Systems with International Participation (AUTOMATION IN TRANSPORTATION 2005), Zagreb–Croatia / Copenhagen–Denmark, pp. 86-90, 07-12 November 2005.
12. **Lakušić, S.**, Bartoš, D., Bajić, A.G.: **"Experimental and numerical analysis of the rail fastening spring clips types SKL-1 and SKL-12"**, 22<sup>nd</sup> DANUBIA ADRIA Symposium on Experimental Methods in Solid Mechanics, (Ed. L. Collini), Monticelli Terme (Parma), Italy, pp. 248-249, September 28 - October 1, 2005.

13. **Lakušić, S.**, Rak, M., Lazarević, D.: "**Numerical model of tram-track interaction with and without irregularity on rail running surface**", GESTS International Transaction on Computer Science and Engineering, Volume 17, Number 1, (2005), pp. 97-108.
14. **Lakušić, S.**, Rukavina, T., Dragčević V.: "**The influence of the reconstruction of the tram tracks on the level of noise**", The 34<sup>th</sup> International Congress and Exposition on Noise Control Engineering (INTER NOISE 2005), (Ed. Samir N.Y. Gerges), Rio de Janeiro, Brazil, Paper N1469, 7<sup>th</sup>-10<sup>th</sup> August, 2005.
15. **Lakušić, S.**, Dragčević, V., Rukavina, T.: "**Traffic volume impact on noise levels in commercial and residential zones in the city of Zagreb**", 2<sup>nd</sup> Congress of Alps-Adria Acoustics Association and 1<sup>st</sup> Congress of Acoustical Society of Croatia (AAAA 2005), (Eds. M. Horvat & K. Jambrosic), Opatija, Croatia, pp. 76-82, 23 – 24 June 2005.
16. Bartoš, D., **Lakušić, S.**, Vinski, T.: "**Numerical analysis of the rail fastening spring clip type SKL-1**", Fourth Youth Symposium on Experimental Solid Mechanics (4<sup>th</sup> YSESM), (Ed. A. Freddi), Castrocara Terme, Italy, pp. 119-120, 4<sup>th</sup>-7<sup>th</sup> May 2005.
17. **Lakušić, S.**, Dragčević, V., Rukavina, T.: "**The impact of tram track fastening systems on noise level**", Eleventh International Conference on Urban Transport and the Environment in the 21st Century (URBAN TRANSPORT 2005), (Eds. C.A. Brebbia & L.C. Wadhwa), Algarve, Portugal, pp. 487-497, 12 – 14 April 2005.
18. **Lakušić, S.**, Dragčević, V., Rukavina, T.: "**The Influence of tram track closure system on the noise level in urban areas**", GESTS International Transaction on Acoustic Science and Engineering, Volume 4, Number 1, (2005), pp. 25-34.
19. **Lakušić, S.**, Dragčević, V., Rukavina, T.: "**Mjere za smanjenje buke od prometa u urbanim sredinama**", Građevinar 57 (2005) 1, str. 1-9.
20. Dragčević, V., **Lakušić, S.**, Rukavina, T., Kecur, R.: "**The Impact of Reconstruction and Traffic Regulation on the Noise Level**", GESTS International Transaction on Acoustic Science and Engineering, Volume 2, Number 1, (2004), pp. 152-162.
21. **Lakušić, S.**, Rak, M., Josipović, J.: "**The impact of tram traffic volume on the mechanical properties of the rail pads**", Third Youth Symposium on Experimental Solid Mechanics (3<sup>rd</sup> YSESM), (Ed. A. Freddi), Porretta Terme, Italy, pp. 141-142, 12 – 15 May 2004. (*članak je nagrađen nagradom "The best presentation"*).
22. **Lakušić, S.**, Rak, M., Lazarević, D.: "**Numerical model of tram-track interaction with failures on rail surface**", Ninth International Conference on Computer Aided Design, Manufacture and Operation in the Railway and Other Advanced Mass Transit Systems (COMPRAIL 2004), (Eds. J. Allan, R.J. Hill, C.A. Brebbia, G. Sciutto & S. Sone), Dresden, Germany, pp. 821-831, 17-19 May 2004.
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24. **Lakušić, S.**, Rukavina, T., Dragčević, V.: "**The impact of tram motion on the vibration intensity of the tram track**", Eleventh International Congress on Sound and Vibration (ICSV11), (Eds. N.I. Ivanov & M.J. Crocker), St. Petersburg, Russia, pp. 1967-1974, 5-8 July 2004.
25. Dragčević, V., **Lakušić, S.**, Rukavina, T., Kecur, R.: "**The Impact of reconstruction and traffic regulation on the noise level**", The 33<sup>rd</sup> International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2004), (Ed. J. Novak), Prague, Czech Republic, Paper N254, 22-25 August 2004.

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  29. Lakušić, S., Rak, M.: "**Experimental analysis of the rail behavior in the case with irregularity on running surface and without it**", 20<sup>th</sup> Danubia-Adria Symposium on Experimental Methods in Solid Mechanics, (Eds. F. Thamm, L. Borbas), Győr, Hungary, pp. 194-196, 2003.
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  32. Lakušić, S., Rukavina, T., Dragčević, V.: "**Proposal for the value of permitted tolerance on width of grooved rails**", 8<sup>th</sup> International Conference on Computer Aided Design, Manufacture and Operation in the Railway and Other Advanced Mass Transit Systems (COMPRAIL 2002), (Eds. J. Allan, R.J. Hill, C.A. Brebbia, G. Sciotto & S. Sone), Lemnos, Greece, pp. 605-612, 12-14 June, 2002.
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