

## 3.

Назив пројекта:	Динамика хибридних система сложених структура. Механика материјала			
Евиденциони број:	ОИ 174001			
Руководилац:	Катица (Стевановић) Хедрих			
Организација координатор и учесник:	Математички институт САНУ у Београду Факултет техничких наука у Косовској Митровици			
Корисник:				
Број месеци истраживача:	са ФТН је 24			
Трајање пројекта:	2011.- јун 2016.			
<b>Запослени са пуним радним временом на ФТН који учествују у реализацији пројекта</b>				
р.бр.	Име и презиме	Звање	Број истраж. месеци	Категорија
1	Ивица Чамагић	Доцент	8	А3
2	Срђан Јовић	Доцент	8	А2
3	Златибор Васић	Редовни професор	8	А7

**Резултати рада на овом пројекту које су остварили учесници са ФТН у Косовској Митровици у последње 4 године (2012-2015)**

р.бр.	Рад	Категорија
1	<b>Срђан В. Јовић</b> , Катица Р. Стевановић Хедрих, Владимир М. Раичевић; <i>Динамика виброударних система</i> - Анализа динамике једне класе виброударних система на бази осцилатора са криволинијским пуцањама и стационарним неидеалним везама, Научна монографија, Косовска Митровица: Факултет техничких наука, 2015 "Ниш Свен", ISBN 978-86-80893-65-5.	<b>M42</b>
2	<b>Jović S.</b> , Raičević V., Vibro-impact forced oscillations of a heavy mass particle along a rough circle excited by a single-frequency force, Acta Mechanica, ISSN: 0001-5970, Volume 223, Number 6, pp. 1153-1168, June 2012. DOI: 10.1007/s00707-012-0623-2v.	<b>M22</b>
3	<b>Jović S.</b> , Raičević V., Garić Lj., Vibro-Impact System Based on Forced Oscillations of Heavy Mass Particle Along a Rough Parabolic Line, Hindawi Publishing Corporation, Mathematical Problems in Engineering, Volume 2012, Article ID 846390, 17 pages doi:10.1155/2012/846390, ISSN: 1024-123x, (Online First), 2012.	<b>M22</b>
4	<b>Jović S.</b> , Raičević V., The phase portrait of the vibro-impact dynamics of two mass particle motions along rough circle, Kaunas University of Technology, Scientific Journal "MECHANIKA", 2012 Nr 18(6), Article ID-No 526, pp. 657-665, ISSN 1392 - 1207, 2012.	<b>M22</b>
5	Golubović Z., Lekić Z., <b>Jović S.</b> , INFLUENCE OF BUCKET WHEEL VERTICAL VIBRATION ON BUCKET-WHEEL EXCAVATOR (BWE) DIGGING FORCE, Technical Gazette/Tehnički vjesnik, Scientific-professional Journal of Technical Faculties of University in Osijek, Croatia, ISSN: 1330-3651, Volume 19, Number 4, pp. 807-812, Decembar 2012. Our tef.: AA-2001-19-241012.	<b>M23</b>
6	<b>Čamagić I.</b> , Vasić N., Burzić Z., <b>Jović S.</b> , Gvozdrenović T. Kudumović Dž., Compatibility of Values of Plane Strain Fracture Toughness, $K_{Ic}$ , Crack Growth and Impact Energy Parameter for Welded Joints Behaviour Evaluation in Presence of Cracks, Technics Technologies Education Management (TTEM), Journal of society for development of teaching and business processes in new net environment in B&H, ISSN: 1840-1503, Volume 8, Number 1, pp. 50-58, 2013.	<b>M23</b>
7	<b>Jović S.</b> , Raičević V., Vibro-Impact System Based on Oscillator, With Two Heavy Mass Particles Moving Along a Rough Circle, 8 <sup>th</sup> European Solid Mechanics Conference (ESMC-2012), Institute of Biomechanics Graz University of Tehnology Austria, Graz, Austria, 9-13 July, 2012.	<b>M33</b>

8	<b>I. Čamagić</b> , N. Vasić, T. Sedmak, M. Burzić, <b>S. Jović</b> , B. Ćirković, A. Todić, COMPATIBILITY OF CRACK GROWTH PARAMETERS AND IMPACT ENERGY IN THE EVALUATION OF LOW ALLOY STEEL WELDED JOINTS BEHAVIOR, The 8th International Symposium Machine and Industrial Design in Mechanical Engineering, 12-15 June 2014, Hotel Marina, Balatonfured, Hungary.	<b>M33</b>
9	<b>Jović S.</b> , Raičević V., Vibro-impact system based on oscillator with two heavy mass particles along horizontal rough line, Eighth Serbian Symposium in area of Non-linear Sciences, Symposium Nonlinear Dynamics–Milutin Milanković, Multidisciplinary and Interdisciplinary Applications, (SNDMIA 2012), Serbian Scientific Society, Serbia, Belgrade, October 1-5, 2012.	<b>M63</b>
10	<b>Jović S.</b> , Raičević V., The phase portrait of the vibro-impact system based on oscillator, with three heavy mass particles moving along a rough circle, Eighth Serbian Symposium in area of Non-linear Sciences, Symposium Nonlinear Dynamics–Milutin Milanković, Multidisciplinary and Interdisciplinary Applications, (SNDMIA 2012), Serbian Scientific Society, Serbia, Belgrade, October 1-5, 2012.	<b>M63</b>
11	Šarkoćević Ž., Arsić M., <b>Jović S.</b> , Lazarević D., METHODS OF RELIABILITY ASSESSMENT OF DAMAGED PIPELINE CORROSION, Eighth Serbian Symposium in area of Non-linear Sciences, Symposium Nonlinear Dynamics–Milutin Milanković, Multidisciplinary and Interdisciplinary Applications, (SNDMIA 2012), Serbian Scientific Society, Serbia, Belgrade, October 1-5, 2012.	<b>M63</b>
12	<b>Čamagić I.</b> , Burzić Z., Vasić N., Jović S., Makragić S., Živković P., COMPATIBILITY OF ENDURANCE LIMIT AND FATIGUE CRACK GROWTH PARAMETERS IN BEHAVIOR OF WELDED JOINT OF LOW ALLOYED STEELS, Eighth Serbian Symposium in area of Non-linear Sciences, Symposium Nonlinear Dynamics–Milutin Milanković, Multidisciplinary and Interdisciplinary Applications, (SNDMIA 2012), Serbian Scientific Society, Serbia, Belgrade, October 1-5, 2012.	<b>M63</b>
13	<b>I. Čamagić</b> , N. Vasić, <b>S. Jović</b> , Z. Burzić, A. Sedmak, Influence of Mechanical Properties and Microstructure Heterogeneity of Welded Joint Constituents on Tensile Properties and Fracture Toughness at Plane Strain, $K_{Ic}$ , Forth Serbian (29 <sup>th</sup> Yu) Congress on Theoretical and Applied Mechanics. Vrnjačka Banja, Serbia, 4-7 June 2013	<b>M63</b>
14	<b>S. Jović</b> , V. Raičević, The phase portrait of the vibro-impact system based on oscillator with two heavy mass particles, Forth Serbian (29 <sup>th</sup> Yu) Congress on Theoretical and Applied Mechanics. Vrnjačka Banja, Serbia, 4-7 June 2013	<b>M63</b>
15	D. Anđelković, <b>S. Jović</b> , B. Antić, STATE, DEVELOPMENT AND PERSPECTIVES OF USING LPG FOR MOTOR VEHICLES IN REPUBLIC OF SERBIA, International Congress Motor Vehicles & Motors 2014. Kragujevac, Serbia, 9-10 October, 2014. MVM2014-040.	<b>M63</b>
16	B. Milutinović, G. Stefanović, <b>S. Jović</b> , H. Škrijelj, DEVELOPMENT OF MATHEMATICAL MODEL FOR ESTIMATION OF ECONOMIC INDICATORS OF WASTE TREATMENT, 5 <sup>th</sup> International Symposium MINING AND ENVIRONMENTAL PROTECTION. Vrdnik, Serbia, 10-13 June 2015. pp. 162-170, 2015.	<b>M63</b>
17	<b>S. Jović</b> , V. Raičević, <b>I. Čamagić</b> , ANALYSIS OF VIBRO-IMPACT SYSTEM BASED ON OSCILLATOR MOVING ALONG ROUGH CIRCLE LINE UNDER OUTER ONE-FREQUENCY FORCE ACTION, Fifth Serbian (30 <sup>th</sup> Yu) Congress on Theoretical and Applied Mechanics. Arandjelovac, Serbia, 15-17 June 2015.	<b>M63</b>
18	<b>I. Čamagić</b> , N. Vasić, <b>S. Jović</b> , Z. Buzić, A. Sedmak, INFLUENCE OF TEMPERATURE AND EXPLOITATION TIME ON TENSILE PROPERTIES AND MICROSTRUCTURE OF SPECIFIC WELDED JOINT ZONES, Fifth Serbian (30 <sup>th</sup> Yu) Congress on Theoretical and Applied Mechanics. Arandjelovac, Serbia, 15-17 June 2015.	<b>M63</b>