

ПОДАЦИ О МЕНТОРУ

Кандидат: **Мр Милана Косијер, дипл.инж.**Име и презиме ментора: **Проф. др Срђан Л. Русов, дипл.инж.**Звање: **Редовни професор Саобраћајног факултета у Београду**

Проф. др Срђан Л. Русов, дипл.инж., има укупно 5 објављених радова у научним часописима са **SCI (SCIENCE CITATION INDEX)** листе, који га квалификују за ментора за вођење докторске дисертације:

1.	Аутори		Rusov, S., Čović, V.	
	Наслов рада		A method for the determination of the Christoffel symbols of the first kind in a dynamics of active mechanisms	
	Инфо		ZAMM Band 68, (1988), pp. 124-128	
	Подаци о часопису	ISSN	0044-2267	
		Наслов	Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik	
Импакт фактор		(IF 1988= 0.188), категорија часописа: M23, Mechanics (35/43)		

2.	Аутори		Djukić, M., Rusov, S., Mitrović, Z.	
	Наслов рада		A fuzzy model for an increase in locomotive traction force	
	Инфо		Transport, (2010), Vol. 25, No.1, pp. 36-45 DOI: 10.3846/transport.2010.06	
	Подаци о часопису	ISSN	1648-4142	
		Наслов	Transport	
Импакт фактор		IF 2009=2.552, категорија часописа: M21, Transportation Science & Technology (1/26)		

3.	Аутори		Šalinić, S., Obradović, A., Mitrović, Z., Rusov, S.	
	Наслов рада		Brachistochrone with limited reaction of constraint in an arbitrary force field	
	Инфо		Nonlinear Dynamics, (2011), DOI: 10.1007/s11071-011-0258-1	
	Подаци о часопису	ISSN	0924-090X	
		Наслов	Nonlinear Dynamics	
Импакт фактор		IF 2010=1.776, категорија часописа: M21, Mechanics (30/133)		

4.	Аутори		Sekulić,D., Dedović,V., Rusov,S.	
	Наслов рада		Effect of shock vibrations due to speed control humps to the health of city bus drivers	
	Инфо		Scientific Research and Essays, (2012) , Vol. 7, No.5, pp. 573-585 DOI: 10.5897/SRE11.1724	
	Подаци о часопису	ISSN	1992-2248	
		Наслов	Scientific Research and Essays	
Импакт фактор		IF 2010=0.445 , категорија часописа: M23 , <u>Multidisciplinary Sciences</u> (33/59)		

5.	Аутори		Djukić,M., Rusov, S. , Mitrović Z., Obradović A., Salinić, S.	
	Наслов рада		Fuzzy model for braking force maximization	
	Инфо		Journal of Theoretical and Applied Mechanics, (2012) , Vol. 50, No.4 http://www.ptmts.org.pl/in_press.html (рад ће бити објављен у часопису JTAM Vol.50, No.4, (2012))	
	Подаци о часопису	ISSN	1429-2955	
		Наслов	Journal of Theoretical and Applied Mechanics	
Импакт фактор		IF 2010=0.264 , категорија часописа: M23 , <u>Mechanics</u> (122/133)		

У Београду,

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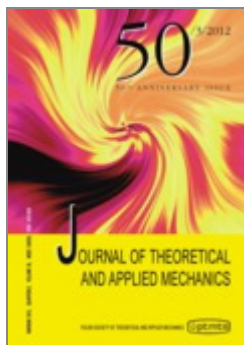
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Проф. др Бранимир Станић, дипл.инж.



Home
Articles
Authors
Articles in press
Reviewers
Monothematic issues
Information for authors
Subscriptions
History (in Polish)

PTMTS Home



Current issue: [Vol 50 No. 3, 2012](#)

Journal of Theoretical and Applied Mechanics

ISSN 1429-2955 Quaterly (issued since 1963, until 1997 Mechanika Teoretyczna i Stosowana, ISSN 0079-3701)

Papers to appear in JTAM, vol 50, no. 3, 2012 - 50th Anniversary of JTAM - Invited Authors

Ambrósio J., Pombo J., Pereira M., Antunes P., Mósca A. - A computational procedure for the dynamic analysis of the catenary-pantograph interaction in high-speed trains

Cao Q., Wang D., Chen Y., Wiercigroch M. - Irrational elliptic functions and the analytical solutions of SD oscillator

Irschik H. - The Cayley variational principle for continuous-impact problems: a continuum mechanics based version in the presence of a singular surface

Kapitaniak T., Czołczyński K., Perlikowski P., Stefański O. - Energy balance of two synchronized self-excited pendulums with different masses

Katsikadelis J.T. - Nonlinear dynamic analysis of viscoelastic membranes described with fractional differential models

Kienzler R., Schneider P. - Consistent theories of isotropic and anisotropic plates

Mang H.A., Jia X., Hofinger G. - Finite element analysis of buckling of structures at special prebuckling states

Maugin G.A., Rousseau M. - Wave-quasi-particle dualism in the transmission - reflection problem for elastic waves

Muschik W. - Objectivity and frame indifference of acceleration - sensitive materials

Niesłony A., Böhm M. - Application of spectral method in fatigue life assessment - determination of crack initiation

Noda N., Ootao Y., Tanigawa Y. - Transient thermoelastic analysis for a functionally graded circular disk with piecewise power law

Pamin J., Wosatko A. - Static gradient damage simulations using stabilized finite elements

Tobushi H., Mitsui K., Takeda K., Kitamura K., Yoshimi Y. - Performance and design of precision-cast shape memory alloy brain spatula

Tzou H.S., Li H., Chen Z.B., Hu S.D. - Optimal vibration control of conical shells with collocated helical sensor/actuator

Watanabe E. - Safety of bridges and breakwaters estimated through general principles for limit state design by Japan society of civil engineers

Papers to appear in JTAM, vol 50, no. 4, 2012

Abouei Mehrizi A., Vazifeshenas J., Domairry G. - New analysis of natural convection boundary layer flow on a horizontal plate with variable wall temperature

Andjelić N., Milošević-Mitić V. - Optimum design of thin-walled I-beam according to stress constraint

Bizić M., Pancić D., Petrović D., Djinović Z. - Mathematical modeling of disc weakened by an eccentric circular hole

Cedrowska A., Marynowski K. - Dynamic behavior of an axially moving wide web

Djukić M., Rusov S., Mitrović Z., Obradović A., Salinić S. - Fuzzy model for braking force maximization

Grysa K., Hożejewska S., Maciejewska B. - Compensatory calculus and Trefftz functions applied to local heat transfer coefficient determination in minichannel

Horvath E., Henap G., Tarok A., Harsanyi G. - Mechanical modelling and life cycle optimisation of screen printing

Hosseini Ara R., Mirdamadi H.R., Khademyzadeh H. - Buckling analysis of short carbon nanotubes based on a novel Timoshenko beam model

Jasion P., Magnucki K. - Face wrinkling of sandwich beams under pure bending

Kłysz S., Lisiecki J., Leski A., Bąkowski T. - Modification of the LSM criteria to approximate test data for fatigue crack growth rate

Kohut P., Holak K., Martowicz A. - An uncertainty propagation in developed vision based measurement system aided by numerical and experimental tests

Kowalski M. - Phase mapping in diagnosing of turbojet engine

Krukowski J., Maczyński A., Szczotka M. - The influence of a shock absorber on dynamics of an offshore pedestal crane

Kumar P., Mohan H. - Thermal instability of a heterogeneous Oldroydian viscoelastic fluid heated from below in porous medium

Łukaszewski D., Sałbut L. - Sensor for in-plane displacement measurement based on combined grating and speckle pattern phase shifting interferometry

Mierzwiczak M., Kołodziej J.A. - Application of the method of fundamental solutions with Laplace transformation for inverse transient heat source problem

Skibicki D., Pejkowski Ł. - Integrals fatigue criteria evaluation for life estimation under uniaxial, combined proportional and non-proportional loadings

Stefański K., Koruba Z. - Analysis of guiding bombs an ground target using the gyroscope system

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Papers accepted for publication in JTAM

Akbari Alashti R., Khorsand M., Tarahhomi M.H. - Three-dimensional asymmetric thermo-elastic analysis of a functionally graded rotating cylindrical shell

Ashraf M., Batool K. - MHD flow and heat transfer of a micropolar fluid over a stretchable disk

Askari H., SaadatNia Z., Yildirim A. - Application of higher order Hamiltonian approach to nonlinear vibrating systems

Baranowski L. - Equations of motion of spin-stabilized projectile for flight stability testing

Baranowski L. - Numerical testing of flight stability of spin-stabilized artillery projectiles

Baranowski L. - Feasibility analysis of the modified point mass trajectory model for the need of ground artillery fire control systems

Attia H.A., Abdeen M.A.M. - On the effectiveness of variation in the physical variables on the steady flow between parallel plates with heat transfer in a porous medium

Buchacz A., Wróbel A., Płaczek M. - Control of characteristics of mechatronic systems using piezoelectric materials

Cveticanin L. - On the torque, as a measure of mechanical interaction, in the principles of dynamics

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Zorić N., Simonović A., Mitrović Z., Stupar S. - Active vibration control of smart composite beams using PSO-optimized self-tuning fuzzy logic controller