


Curriculum Vitae

Personal information	Given name	Vitalij	Last name	Chigarev	
	Gender	Male	Date of Birth (dd/mm/yyyy)	14/05/1988	
	Passport No.	MP3300965	Academic levels	Ph.D.	
	Major	Deformable solid mechanics	Professional Title	Associate Professor	
	Tel.	(29)9752606	E-mail	chigarev.vitalik@yandex.ru	
<i>Educational Background</i>					
<ol style="list-style-type: none"> 1. Belarusian National Technical University – Sept. 2005 – June, 2010. Higher education 2. Belarusian National Technical University – Nov. 2012 – Oct., 2015. Ph.D. 					
<i>Work Experience</i>					
<ol style="list-style-type: none"> 1. Belarusian National Technical University, Minsk, Belarus – 2011 – present; Associate Professor, Engineering Department 					
<i>Teaching Experience</i>					
<ol style="list-style-type: none"> 1. Belarusian National Technical University, Minsk, Belarus – 2011 – present; <i>Courses: Structural mechanics, Theoretical Mechanics, Mechatronics.</i> 					
<i>International experience(especially in English language countries)</i>					
Internship in «Technical University of Ilmenau», Ilmenau, Germany, Sept. 2018.					
<i>Research Interests</i>					
<ol style="list-style-type: none"> 1. Deformable solid mechanics 2. Computational methods in solid mechanics 3. Mechatronics, robotics 					
<i>Research Projects</i>					
<ol style="list-style-type: none"> 1. Research work no. T11M-170, April 2011 – March 2013 with the Belarusian Foundation for Basic Research (BRFFI), "Irreversible and reversible deformation of cylindrical and spherical composite bodies under pulsed thermal force loading" 2. Research works no. T12MV-038, April 2012 – March 2014 with the Belarusian Foundation for Basic Research (BRFFI), "Modeling of deformation and destruction of structural elements of nuclear power plants under the influence of pulsed and non-stationary thermal loads" 3. Research works no. T12R-230, April 2012 – March 2014 with the Belarusian Foundation for Basic Research (BRFFI), "Development of a mathematical apparatus based on the ray series method for dynamic problems of deformation of nonlinear and inhomogeneous media" 					
<i>Honors and Awards –</i>					
<i>Publications</i>					
Books					
<ol style="list-style-type: none"> 1. Chigarev A.V., Zimmermann K., Chigarev V. A. Introduction to mechatronics : [textbook for technical specialties of universities] – Minsk : BNTU, 2013. – 388 p. 					

Articles

1. Chigarev V. A., Minchenya V. T., et al. Computer simulation of the dynamics of micro-robots with an ultrasonic drive in the controlled resonance mode / "Mechanics – 2011", Vol. 2, 2011, pp. 416-422. [in Russian]
2. Chigarev V. A., Minchenya V. T. Finite element modeling of dynamics of micro-robots with piezoelectric drives / MADI(GTU), RGAU-MSHA, Inau 2012, Volume 6 "Natural and technical Sciences", Moscow-Lugansk 2012, RF, p. 80-89. [in Russian]
3. Mironov D. N., Chigarev V. A., Goncharenko V. P. Study of the combined effect of thermal and power loads applied on the external and internal borders / Theoretical and applied mechanics. Issue # 28, 2013. – pp. 100-103. [in Russian]
4. Chizhik S. A., K. Zimmermann, Chigarev V. A. Translational motion of a soft robot of amoeboid type // Theoretical and applied mechanics. 29, 2014. – pp. 19 - 22. [in Russian]
5. Vasilevich Yu. V., Neumerzhitskaya E. Yu., Yaznevich A.M., Chigarev V. A. Calculation of the strength of structural products using elements of probability theory / Theoretical and applied mechanics, 2011. – Issue 26. – pp. 91-96. [in Russian]