



**4th International Conference of Mechanical Engineering
ICOME 2017
11-12 October 2017
Scientific papers schedule
Section: Applied Mechanics and Mechatronic Systems**

Wednesday 11th of October 2017- Papers presentation 15³⁰ -17⁰⁰		
Chairman: Professor Dr. Eng. DAN B. MARGHITU Professor Dr. Eng. DANIELA VINTILĂ Hall: BL 33 (New Laboratory Building)		
15 ³⁰ – 15 ⁴⁵	3D Skull Virtual Model, Based on CT or MRI Images, Used for Dentistry Simulations	VATU Mihaela, VINTILA Daniela, POPA Dragos-Laurentiu
15 ⁴⁵ – 16 ⁰⁰	NASGRO-Model comparability method for the calculation of the fishing growth speed	ROȘCA Vâlcu, MIRIȚOIU Cosmin
16 ⁰⁰ – 16 ¹⁵	Analysis of mechanical stress behavior of fixing bolts for a Ford engine block	CÎRSTEA Costinel-Ilie, COPILUȘI Petre Cristian, CALANGIU Adrian
16 ¹⁵ – 16 ³⁰	Experimental Investigations Concerning Friction from Threaded Assemblies	GEONEA Ionut, Dumitru Nicolae ,MARGINE Alexandru and COPILUSI Petre
16 ³⁰ – 16 ⁴⁵	Experimental Validation of an Exoskeleton for Motion Assistance	GEONEA Ionut, DUMITRU Nicolae, ROSCA Adrian, PETCU Alin, CIUREZU Leonard
16 ⁴⁵ – 17 ⁰⁰	Numerical calculation of uniformly loss pressure distributed in the industrial pipes with ring-eccentric section and non uniform roughness. The case of critical transition flow	ȚĂLU Mihai, VINTILĂ Daniela, GRIGORIE Laura , ȚĂLU Ștefan
17 ⁰⁰ - 17 ³⁰	<i>Coffee break</i>	
Wednesday 11th of October 2017- Papers presentation 17³⁰ – 19⁰⁰		
Chairman: Professor Dr. Eng. CONSTANTIN OCNĂRESCU Professor Dr. Eng. NICOLAE DUMITRU Hall: BL 33 (New Laboratory Building)		
17 ³⁰ – 17 ⁴⁵	Cam Mechanism Design for a Human Leg Exoskeleton	DUMITRU Nicolae, COPILUSI Cristian, CIUREZU Leonard
17 ⁴⁵ – 18 ⁰⁰	Analysis of the Structures 4R and 3T Robots	OCNĂRESCU, Constantin OCNĂRESCU Maria
18 ⁰⁵ – 18 ¹⁵	Rolling with and without slipping, during epicycloids generation	POPESCU Iulian, SASS Ludmila, ROMANESCU Alina Elena



18 ¹⁵ – 18 ³⁰	Rolling with and without slipping, during orthocycloids generation	POPESCU Iulian, ROMANESCU Alina Elena, SASS Ludmila
18 ³⁰ – 18 ⁴⁵	Geometric Aesthetic Locus Generated By A Mechanism	CHERCIU, M., MARGHITU D., B., POPESCU Iulian
18 ⁴⁵ – 19 ⁰⁰	Dynamic Analysis of Planetary Gear Reducer	VINTILĂ Daniela, GRIGORIE Laura ROMANESCU Alina
Thursday 12th of October 2017- Papers presentation 8³⁰ – 10⁰⁰		
Chairman: Associate Professor Dr. Eng. MIHAELA BOGDAN Associate Professor Dr. Eng. LUDMILA SASS Hall: BL 33 (New Laboratory Building)		
8 ³⁰ – 8 ⁴⁵	An overview of snake like units	CIUREZU-GHERGHE Leonard , DUMITRU Nicolae , COPILUSI Cristian
8 ⁴⁵ – 9 ⁰⁰	Analysis about influence of the mechanical vibrations on the function of shaping-machine	BOGDAN Mihaela – Liana SIMNICEANU Loreta CONSTANTINESCU Augustin
9 ⁰⁰ – 9 ¹⁵	Design of a Test Rig for Vehicle Stabilizer Bar Fatigue Study	ROSCA Adrian, CRACIUNOIU Nicolae GEONEA Ionut , PLOSCARU Cristina