

Publicatio	Authors	Article Title
J	Dumitru, S; Dumitru, N; Copilusi, C; Rosca, AS	Computational Method for Dynamic Analysis of Multibody Systems with Deformable Elements
J	Marinescu, D; Calangiu, A; Ciulu, S; Ozunu, N; Dumitru, N	CONTRIBUTIONS TO THE KINEMATIC AND DYNAMIC STUDY OF A VEHICLE FOR SERVING PERSONS WITH LOCOMOTOR DISABILITIES
C	Calangiu, A; Dumitru, N ; Copilusi, C; Dumitru, S; Geonea, I	Contributions Regarding the Dynamic Optimization Process of a Connecting Rod from an Internal Combustion Engine
J	Copilusi, C; Dumitru, S; Dumitru, N ; Geonea, I; Mic, C	An Exoskeleton Design and Numerical Characterization for Children with Duchenne Muscular Dystrophy
J	Dumitru, S; Copilusi, C; Dumitru, N ; Geonea, I	A Dynamic Analysis of a Poly-Articulated Robot
C	Geonea, I; Dumitru, N ; Dumitru, S; Copilusi, C; Tarnita, D	Structural Solutions of Walking Mechanisms Intended to Exoskeleton Robots to Assist Human Gait
C	Dumitru, S; Dumitru, N ; Copilusi, C; Geonea, I; Gherghe-Ciurezu, L	Virtual Prototyping of a Leg Exoskeleton for Human Persons with Neuromotor Deficiencies
J	Calangiu, A; Dumitru, S; Copilusi, C; Rosca, AS; Demian, M; Dumitru, N	OPTIMIZING IN A DYNAMIC MODE THE CONNECTING ROD FROM AN INTERNAL COMBUSTION ENGINE
J	Constantin, A; Otat, O; Calangiu, A; Craciunoiu, N; Margine, A; Dumitru, N	THE DYNAMIC IMPACT STUDY OF A CRANK CONNECTING ROD MECHANISM
J	Ionica, V; Dumitru, N ; Geonea, I; Bogdan, M	MODELLING THE VIBRATORY EFFECTS OF RAIL TRAFFIC ON THE ENVIRONMENT
J	Rosca, AS; Dumitru, S; Catalu, D; Dumitru, N ; Geonea, I	DYNAMIC MOTION ANALYSIS OF A WHEELCHAIR FOR PEOPLE WITH LOCOMOTOR DISABILITIES
J	Copilusi, C; Dumitru, S; Geonea, I; Ciurezu, LG; Dumitru, N	Design Approaches of an Exoskeleton for Human Neuromotor Rehabilitation
C	Ciurezu-Gherghe, L; Dumitru, N ; Geonea, D; Bostina, S	Snake-Like Flexible Mechanical System With Applications in Exploratory Activities

J	Dumitru, N ; Ciurezu-Gherghe, L; Copilusi, C; Geonea, I; Dumitru, S	Theoretical and experimental study methods for a robotic system with deformable elements used in minimally invasive surgery
J	Dumitru, S; Constantin, A; Copilusi, C; Dumitru, N	Impact Dynamics Analysis of Mobile Mechanical Systems

Conference Title	Journal Title
	MATHEMATICS
	ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING
2024 International Congress of Automotive and Transport Engineering	
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6th Symposium on Mechanism Design for Robotics (MEDER)	
8th International Workshop on New Trends in Medical and Service Robots	
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	ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING
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Dumitru, N (corresponding author), Univ Craiova, Fac Mech, Craiova 200585, Romania.	0	2227-7390		13	17	
Marinescu, D (corresponding author), Univ Craiova, Fac Mech, 107 Calea Bucuresti, Craiova, Romania.	0	2393-2988	2025	68	1-2	219
Dumitru, N (corresponding author), Univ Craiova, Fac Mech, Dolj 200512, Romania.	0	2524-7786	2025			200
Mic, C (corresponding author), Univ Craiova, Fac Mech, Craiova 200478, Romania.	0	2306-5354	2024	11	11	
Dumitru, N (corresponding author), Univ Craiova, Fac Mech, Craiova 200512, Romania.	0	2079-3197	2024	12	8	
Geonea, I (corresponding author), Univ Craiova, Fac Mech, Craiova, Romania.	0	2211-0992	2024			251
Copilusi, C (corresponding author), Univ Craiova, Craiova 200512, Romania.	0	2211-0992	2023	133		198
Copilusi, C (corresponding author), Univ Craiova, Fac Mech, Calea Bucuresti 107, Craiova, Romania.	0		2022	65		293
Calangiu, A (corresponding author), Univ Craiova, Fac Mech, Calea Bucuresti St 107, Craiova, Romania.	0		2022	65		309
Geonea, I (corresponding author), Univ Craiova, Fac Mech, Dept Appl Mech & Civil Bldg, Calea Bucuresti 107, Craiova, Dolj, Romania.	0		2022	65		359
Catalu, D (corresponding author), Univ Craiova, Fac Mech, Calea Bucuresti St 107, Craiova, Romania.	0	2393-2988	2022	65		427
Dumitru, S (corresponding author), Univ Craiova, Fac Automat Comp & Elect, Dolj 200776, Romania.	9	2076-3417	2022	12	8	
Ciurezu-Gherghe, L (corresponding author), Univ Craiova, Fac Mech, Dept Automot Transporting & Ind Engn, Craiova, Romania.	1		2022			263

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