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PAPERS SCHEDULE

All the papers will be presented at "Romanescu" University House

1: Modeling and simulation in mechanical engineering

Eminescu Hall- 15.00-17.00

Chairman: Doina Pisla & Dan Marghitu

1	Parametric Modeling for Analyzing Diseases of the Human Spine	C. Vaidea, P. Tucan and D. Pisla
2	Influences of Antero-Posterior Tibial Slope on the Prosthetic Knee Contact Stresses	D. Calafeteanu, D. Tarnita, M. Catana, D. Calin and D. Tarnita
3	Influences of Varus Tilt on the Stresses in Human Prosthetic Knee Joint	D. Calafeteanu, D. Tarnita, M. Catana and D. Tarnita
4	Comparative Study of Cervical Classic Systems and Test Dummies Biofidelic of Road Accidents	C. Stefanita, B. Tica and T. Dragos
5	Wavelet Analysis of Humans with Osteoarthritis	D. Tarnita, D. Marghitu and N. Crăciunoiu
6	Virtual Modeling, Detail Design and FEM Analysis for a Testing Device	C.C. Gavrilă and R. Velicu
7	The 3D Virtual Model of a Classical Hip Joint Prosthesis	D. Calin, D. Tarnita, D. Popa, A. Roșca and D. Tarnita
8	Virtual Model and Simulation of the Normal and Affected Human Hip Joint	D. Calin, D. Tarnita, D. Popa, D. Calafeteanu and D. Tarnita

Eminescu Hall- 17.30-19.30

Chairman: Catalin Alexandru & Diana Popescu

1	Mono-Objective Optimization of a Photovoltaic Tracking System with LPF Controllers	C. Alexandru
2	Study of Particle Motion on a Helical Vibrating Surface	D. Popescu
3	Analysis and Processing of Index Tests Results at Double-Adjust Hydraulic Turbines with a Computer-Aided Design Software	A. Cuzmoș, D. Nedelcu, C.V. Campian, C. Fănică and A. Budai
4	A Simulation of the Stress Intensity Factors KI and KII Variation in the Hertzian Stresses Field of Gear Teeth	C.O. Popa, S. Haragăș
5	Some Considerations about the Influence of the Stress Intensity Factors K_{Imin} , K_{IImax} and K_{eq} in Fatigue Crack Propagation in the Substrate of the Gear Teeth	C.O. Popa, S. Haragăș
6	Simulation Models of the Complex Type Pressure Wave Supercharger	T.S. Radu, M. Hîrceagă, C.I. Leahu, C.I. Leahu, H. Abaitancei and M. Iakab-Peter
7	Simulation of A Mono Cylindrical Engine with Les Software	G. Gherghina, D.L. Popa and D. Tutunea
8	Modeling and Simulation of the Stand for Testing of Helicoidally Springs from Automotives Suspension	L. Simniceanu, D.L. Popa and A. Constantinescu
9	The Dynamic Simulation of a Gear. The Conveyance Error Associate with the Eccentricity Faults	M. Cătăneanu and A. Cătăneanu

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