

## Lista de lucrări relevante

1. Lovasz E.-C., Perju D., Modler K.-H., Gruescu C.M., Maniu I., Zabava E.-S. - Numerical Iterative Method for Computing the Base Circle Radius of Cam Mechanisms with Translating Flat-Face Follower, *New Trends in Mechanism and Machine Science Theory and Applications in Engineering*, Springer Publisher, Series: Mechanisms and Machine Science, 7 (2012) 237-244.
  2. Lovasz E.-C., Modler Karl-Heinz, Perju Dan, Mărgineanu Dan, Zăbavă Eugen - On the relative sliding at the cam mechanisms with the tangential/flat follower, *Proceedings of X-th International Congress on the Theory of Machines and Mechanisms*, Liberec, Cehien, (2008) 371-376.
  3. Lovasz E.-C., Perju D., Dehelean N., Dehelean L.M., Maniu I., Moldovan C. - Self-Balanced Conco-Balancer Manipulator with Band Mechanism, *Solid State Phenomena*, 166-167 (2010) 259-265.
  4. Modler K.-H., Lovasz E.-C., Bähr G., Neumann R., Perju D., Perner M., Margineanu D. - General method for the synthesis of geared linkages with non-circular gears, *Journal of Mechanism and Machine Theory*, 44(4) (2009) 726-738.
  5. Lovasz E.-C., Ciupe V, Modler K-H, Gruescu C.M., Hanke U, Maniu I, Mărgineanu D. - Experimental Design and Control Approach of an Active Knee Prosthesis with Geared Linkage, *New Advances in Mechanisms, Transmissions and Applications*, Proc. of 2<sup>nd</sup> MeTrApp Conference, Springer Publisher, Series: Mechanisms and Machine Science, 17 (2013) 149-156.
  6. Lovasz E.-C., Pop C., Pop F., Dolga V.: Novel solution for leg motion with 5 link belt mechanism, *International Journal of Advanced Mechanics and Engineering*, 19(4) (2014) 699-708.
  7. Lovasz E.-C., Mărgineanu D., Ciupe V., Maniu I., Gruescu C.M., Stan S.D., Zăbavă E.S., Design and Control Solutions for Haptic Elbow Exoskeleton Module Used in Space Telerobotics, *Proceedings of 3<sup>rd</sup> Asian IFToMM Conference on Mechanism and Machine Science*, July 9–10, 2014, Tianjin, China, RM3-3, online.
  8. Lovasz E.-C., Grigorescu S., Margineanu D., Gruescu C.M., Pop C., Ciupe V., Maniu I., Geared Linkages with Linear Actuation Used as Kinematic Chains of a Planar Parallel Manipulator, *Proc. of 3<sup>rd</sup> MeTrApp Conference, Mechanisms, Transmissions and Applications*, Series Mechanism and Machine Science, 31 (2015) 21-31.
  9. Lovasz E.-C., Modler K.-H., Neumann R., Gruescu C.M., Perju D., Ciupe V., Maniu I.: Novel design solutions for fishing reel mechanisms, *Chinese Journal of Mechanical Engineering*, 28(4) (2015) 726-736.
  10. Lovasz E.-C., Perju D., Modler K.-H., Modler N., Gruescu C. M., Maniu I., Comșa A. - On the Structural Analysis of the Mechanisms with Elastic Connections, *The 11th IFToMM International Symposium on Science of Mechanisms and Machines*, Springer Publisher, Series: Mechanisms and Machine Science, 18 (2013) 59-67.
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