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## SCIENTIFIC PAPERS

### 1. Scientific papers published in ISI indexed journals

1. **A. -M. -F. Luputi**, E. -C. Lovasz, M. Ceccarelli, C. Sticlaru, A. -M. Scurt(Stoian), *Kinematic study of feasibility of geared planar parallel manipulator*, Journal of Mechanical Engineering Science, Volume 236, Issue 18, Page 10001-10016, June, 2022

### 2. Scientific papers published in volumes of scientific events (Proceedings) indexed ISI Proceedings

1. **A. Luputi**, C. Mnerie, V. -F. Duma, *Experimental Setup for an Optical Micrometer with a Polygonal Mirror-based Laser Scanner*, IEEE 12<sup>th</sup> SACI, Timișoara (Romania), May 17-19, 2018

2. **A. M. F. Luputi**, M. Babescu, H. Ciocârlie, *Optimal Energetic Zone of Wind Turbine for Sinusoidal Wind Speed*, IEEE 15<sup>th</sup> SACI, Timișoara (Romania), May 19-21, 2021

### 3. Scientific papers published in volumes of scientific events (Proceedings) indexed BDI

1. S. M. Grigorescu, **A. -M. -F. Lupuți**, I. Maniu and E. -C. Lovasz, *Novel Planar Parallel Manipulator using Geared Slider-Crank with Linear Actuation as Connection Kinematic Chain*, EuCoMeS, 2020

2. **A. -M. -F. Lupuți**, S. M. Grigorescu, E. -C. Lovasz, C. Sticlaru, I. Cărăbaș, *Kinematics of the planar parallel Manipulator using Geared Slider-Crank with linear Actuation as legs 3-R(PRRGR)RR*, MTM & Robotics, 2020

3. **A. -M. -F. Luputi**, E. -C. Lovasz, M. Ceccarelli, C. Sticlaru, A. -M. Stoian, *Kinematic Simulation of a Geared Planar Parallel Manipulator*, MEDER, 2021

### 4. Scientific papers published in volumes of international scientific events (Proceedings) from abroad

1. A. Oarcea, **A. -M. -F. Luputi**, V. Cobilean, S. -D. Stan, E. -C. Lovasz, *Kinematic performance analysis of a 3-R(RPRGR)RR planar parallel robot*, I4SDG, 2021

2. T. Demjen, E. -C. Lovasz, M. Ceccarelli, C. Sticlaru, **A. -M. -F. Luputi**, *Analytical Synthesis of Five-Bar Linkage used for 3D Printer Structure*, IFToMM Italy, 2022

### 5. Scientific papers published in volumes of scientific events

1. **A. Luputi**, C. Mnerie, V. -F. Duma, *Measurements methods of a polygon-based scanning system for dimensional evaluations*, Proc. 7th ISREIE, Series: Engineering, Arad (Romania), May 17-19, 2018

2. **A. Luputi**, C. Mnerie, V. -F. Duma, *Robotic arm controlled by Arduino*, Proc. 7th ISREIE, Series: Engineering, Arad (Romania), May 17-19, 2018

3. **A. Luputi**, C. Mnerie, V. -F. Duma, *Polygon mirror-based optical micrometers : Programming aspects*, Proc. 8th ISREIE, Series : Engineering, Arad (Romania), May 24 – 25, 2019

4. **A. Luputi**, *SLAM algorithms for odometry*, Proc. 8th ISREIE, Series : Engineering, Arad (Romania), May 24 – 25, 2019