

## LISTA DE LUCRĂRI

### CAPITOLE DE CARTE

1. Pislă, D., Birlescu, I., **Pusca, A.**, Tucan, P., Gherman, B., Vaida, C., KINEMATICS AND WORKSPACE ANALYSIS OF AN INNOVATIVE 6-DOF PARALLEL ROBOT FOR SILS, Proceedings of the Romanian Academy, Series A, 2022.
2. Pislă, D., Birlescu, I., Crisan, N., **Pusca, A.**, Andras, I., Tucan, P., Radu, C., Gherman, B., Vaida, C., Singularity analysis and geometric optimization of a 6-DOF parallel robot for SILS, Machines, 2022.
3. **Pusca, A.**, Rus, G., Birlescu, I., Vaida, C., Pislă, A., Schonstein, C., Gherman, B., Tucan, P., Pislă, D., WORKSPACE ANALYSIS OF TWO INNOVATIVE PARALLEL ROBOTS FOR SINGLE INCISION LAPAROSCOPIC SURGERY, 2022, Acta Tehnica Napocensis, 2022.
4. Calin V., Gabriela R., Bogdan G., **Alexandru P.**, Paul T., Ionut U., Doina P., DEVELOPEMENT OF AN AUGMENTED REALITY SIMULATOR FOR A ROBOTIC SYSTEM USED IN SILS, Proceedings of the Romanian Academy.

### C – Lucrări indexate ISI/BDI publicate în ultimii 10 ani

#### **c1) Articole / studii publicate la conferințe indexate sau în reviste de specialitate de circulație internațională recunoscute (cotate ISI)**

1. Calin V., Gabriela R., Bogdan G., **Alexandru P.**, Paul T., Ionut U., Doina P., DEVELOPEMENT OF AN AUGMENTED REALITY SIMULATOR FOR A ROBOTIC SYSTEM USED IN SILS, Proceedings of the Romanian Academy.
2. **Pusca, A.**, Rus, G., Birlescu, I., Vaida, C., Pislă, A., Schonstein, C., Gherman, B., Tucan, P., Pislă, D., WORKSPACE ANALYSIS OF TWO INNOVATIVE PARALLEL ROBOTS FOR SINGLE INCISION LAPAROSCOPIC SURGERY, 2022, Acta Tehnica Napocensis, 2022.
3. Pislă, D., Gherman, B., Tucan, P., Birlescu I., **Pusca, A.**, Vaida, C., Rus, G., Pislă, A., Vaida, C., APPLICATION ORIENTED MODELLING AND SIMULATION OF AN INNOVATIVE PARALLEL ROBOT FOR SINGLE INCISION LAPAROSCOPIC SURGERY, Proceedings of the ASME 2022 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, August 14-17, 2022, St. Louis, Missouri.
4. Birlescu I., Vaida, C., **Pusca, A.**, Rus, G., Pislă, D., A New Approach to Forward Kinematics for an Orientation Platform based on Perturbation Theory, International Symposium on Advances in Robot Kinematics, ARK 2022, 171-178, 2022.
5. Vaida, C., Birlescu I., **Pusca, A.**, Gherman, B., Tucan, P., Pislă, D., Geometric modeling of a new modular spherical robotic system for SILS, International Conference on Robotics in Alpe-Adria Danube Region, RAAD-2022, 367-374, 2022.

6. Pislă, D., Birlescu, I., Crisan, N., **Pusca, A.**, Andras, I., Tucan, P., Radu, C., Gherman, B., Vaida, C., Singularity analysis and geometric optimization of a 6-DOF parallel robot for SILS, *Machines*, 2022.
7. Pislă, D., Birlescu, I., **Pusca, A.**, Tucan, P., Gherman, B., Vaida, C., KINEMATICS AND WORKSPACE ANALYSIS OF AN INNOVATIVE 6-DOF PARALLEL ROBOT FOR SILS, *Proceedings of the Romanian Academy, Series A*, 2022, accepted for publications.

Data

07.12.2022

Semnătura

Cadr

