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Şef de lucrări

Instituția unde este titular: **Universitatea Tehnică din Cluj-Napoca**

Facultatea: **Facultatea de Inginerie Industrială, Robotica și Managementul Producției**

Departamentul: **Ingineria Sistemelor Mecanice**

## L I S T A

### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### A. Teza de doctorat

“**CONTRIBUȚII ÎN DEZVOLTAREA UNEI STRUCTURI ROBOTIZATE HIBRIDE**”, conducător științific: **Prof. dr. ing. Iuliu NEGREAN**, data susținerii publice a tezei: **2 septembrie 2011**

#### B. Cărți și capitole în cărți publicate

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2. **C. Schonstein**, G. Fodor, *Mecanica Teoretică. Statică și Cinematică*, Cluj Napoca, ed. UTPress, ISBN 978-606-737-606-7, 2022.
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#### C. Lucrări indexate ISI/BDI

1. B. Mocan, **C. Schonstein**, M. Murar, C. Neamtu, M. Fulea, M. Mocan, S. Dragan, H. Feier, Upper-Limb Robotic Exoskeleton for Early Cardiac Rehabilitation Following an Open-Heart Surgery-Mathematical Modelling and Empirical Validation, MDPI Mathematics (Q1), Mathematical Analysis of Robotics and Mechanisms, Mathematics 2023, ISSN: 2227-7390, 11/7, 2023, <https://doi.org/10.3390/math11071598>
2. A. Pusca, G. Rus, I. Birlescu, C. Vaida, A. Pislă, **C. Schonstein**, B. Gherman, P. Tucan, D. Pislă, Workspace Analysis Of Two Innovative Parallel Robots For Single Incision Laparoscopic Surgery, Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, ISSN 1221-5872, 65/2S, 407-414, 2022, <https://www.webofscience.com/wos/woscc/full-record/WOS:000911249300019>
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#### **D. Lucrări publicate în reviste și volume de conferințe cu referenți**

##### **- Reviste**

1. **C. Schonstein**, C.I. Rusan, Establishing the motion Functions for an Assistive Robot for people with Motor disabilities, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872, 66/1, 57-62, 2023.
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14. I. Negrean, **C. Schonstein**, K. Kacso, A. Duca, Kinematical Control Functions for a 2TR Type Robot, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872, 53/3, 433-438, 2010.
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**- Selecție cu maximum 20 lucrări în volume de conferințe**

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2. A.F Cristea; **C. Schonstein**, Studies Regarding Vibration Transmitted, Using an Additional Damper, Mounted an the Hand-Arm System, 13-15 October 2020- International Conference "Advancements of Medicine and Health Care through Technology" – MediTech 2020, Springer, print ISBN978-3-030-93563-4, Online ISBN 978-3-030-93564-1, 88/1, 331-343, 2022.  
[https://link.springer.com/chapter/10.1007/978-3-030-93564-1\\_37](https://link.springer.com/chapter/10.1007/978-3-030-93564-1_37)
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6. **C. Schonstein**, I. Negrean, Dynamic Control Functions For A Ball Screw Transmission Axis, 41st International Conference on Mechanics of Solids, Acoustics and Vibrations "Prof. P.P. Teodorescu", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872, 60/4, 613-620, 2017,

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**Semnătura:**

