

RAPORT DE AUTOEVALUARE A ACTIVITĂȚII PENTRU ANII 10.01.2021 – 30.09.2026.

Numele și prenumele: DOROFTEI Ioan
Funcția didactică: Profesor universitar
Facultatea/ Departamentul: Mecanică / IMMR

Criteriul I. Performanțe didactice

Punctaj = 13 163.498 p

Criteriul II. Performanțe științifice

Punctaj = 27 675.105 p

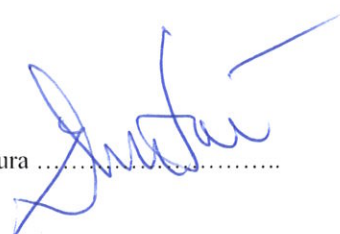
Criteriul III. Recunoaștere națională și internațională

Punctaj = 10 175 p

Punctaj total = 51 013.603 p

Data: 21.10.2026

Semnătura



I. PERFORMANTE DIDACTICE

A. Contribuții la modernizarea bazei materiale pentru activități didactice

A1. 0

A2. 0

A3. 0

A4. 0

A5. 0

A6. 0

A7. 605 p

1. Determinarea randamentului unui reductor (cilindric și melcat), disciplina Mecanisme, 80 p
2. Analiza cinematică experimentală a mecanismului cardanic, disciplina Mecanisme, 150 p
3. Lucrări de laborator, disciplina Roboti mobili, (5 x 150) : 2 = 375
 - a. Prezentarea platformei hardware și a modelului matematic pentru un robot mobil cu acționare diferențială
 - b. Controlul mișcării unui robot mobil cu acționare diferențială în vederea evitării obstacolelor
 - c. Controlul mișcării unui robot mobil cu acționare diferențială în vederea urmăririi unei linii
 - d. Controlul mișcării unui robot mobil cu acționare diferențială în vederea urmăririi unui perete
 - e. Controlul mișcării unui robot mobil cu acționare diferențială în vederea deplasării într-un labirint

A8. 0

A9. 3338.498 p

Dotare (elaborare caiete de sarcini, oferte, etc.) prin atragerea de fonduri bugetare

1. Licența pentru softul EASY-ROB App Professional Education (pentru o rețea de 10 calculatoare), incluzând: Licence Manager; 3D-Pdf Export with Animation; complete Robot Library; API for Inverse Kinematics and for Post Processing. Distribuitor: EASY-ROB Software GmbH, Germania 10 944 EUR (54 720 LEI), cu TVA. Noiembrie 2021. 328.32 p
2. Sistem robotizat format din: Brat robotic Dobot Magician – versiune Educatională – 2 buc.; Accesoriu Dobot Vision Kit – 1 buc.; Bandă rulantă pentru Dobot Magician – 1 buc.; Sina culisare pentru Dobot Magician – 1 buc. Pret total sistem robotizat, cu TVA: 32 079.0085 lei (6520.123 Eur). Noiembrie 2021. 195.603 p
3. Robot umanoid NAO 6 – versiune Academică – 1 buc. Pret total cu TVA: 47 504,80 lei (9655.447 Eur). 289.663 p
4. ng-TTR20000-qi - Sistem măsură momente dinamice 200Nm – 1 buc, format din: 1. Traductor moment rotativ bidirecțional 200Nm, precizie $\pm 0.1\%$ din max., fără contacte la interior, max. 5000rpm, patrăte 1/2", cu măsurare de unghi (precizie $\pm 0.5^\circ$ / rezoluție 0.1°), certificat de calibrare, ieșire USB, N Gineric Germania. 2. Indicator digital (CAT S31). Vizualizare moment maxim & unghi. Pret total cu TVA: 19 754 lei (4015.040 Eur). Noiembrie 2021. 120.451 p
5. n-quirerTTV3basic - Software de bază (Laptop / PC) pentru preluare date de la traductoare N-Gineric. Recunoaștere automată senzor, 2000 citiri/sec. la grafice, mai multe unități de măsură. Pret total cu TVA: 2 380 lei (483.739 Eur). Noiembrie 2021. 14.512 p

6. Kit robot mobil Maze, 8 buc. Anul 2022. 8500 lei (1724.137). 51.724 p
7. Robot umanoid PEPPER (hardware + software personalizat). Anul 2022. 167266,4 lei (33 997.235 Eur). 1019.917 p
8. Sursă de alimentare de laborator SPS3010 0-30V/0-10A. 4 buc. 3400 lei (689.655 Eur). Anul 2022. 20.689 p
9. Compresor de aer ultra silentios, fara ulei, Fini SILTEK S/6, 6 l, 750 W, 8 bar, 105 l/min. 850 lei (172.413 Eur). Anul 2022. 5.172 p
10. Cantar de precizie CAS XE-Plus 600R 600g. 1650 lei (334.685 Eur). Anul 2022. 10.040 p
11. Calculator all-in-one, 10 buc. 25000 lei (5050.505 Eur). Anul 2023. 151.515 p
12. Imprimanta laser multifunctionala, 2 buc. 4000 lei (808.080 Eur). Anul 2023. 24.242 p
13. Senzor EMG MyoWare 2.0 și alte echipamente. 1 BUC. 1800 LEI (357.142 Eur). Anul 2025. 10.714 p
14. Imprimantă 3D Bambu Lab A1, cu autocalibrare, volum de lucru 256 × 256 × 256 mm. 2 buc. 4778 Lei (948.015 Eur). Anul 2025. 28.440 p
15. Osciloscop digital Hantek DSO2D15, 150 MHz, 1 GSa/s, 2 canale. 1 buc. 2394 Lei (475 Eur). Anul 2025. 14.25 p
16. Capete de extrudare cu duză din oțel călit, Bambu Lab A1, 0,8 mm, 0.6 mm si 0.4 mm. 300 lei (59.523 Eur). Anul 2025. 1.785 p
17. Sistem de schimbare automată a filamentului Bambu Lab AMS Lite. 1500 Lei (297.619 Eur). Anul 2025. 8.928 p
18. Accesorii si filament imprimanta 3D Bambu. 5764 Lei. (1143.640 Eur). Anul 2025. 34.309 p
19. Multimetru digital UNI-T UT89X. 155 Lei (30.753 Eur). Anul 2025. 0.922 p
20. Stație de lipit cu aer cald și letcon Gordak 868D. 457 Lei (90.674 Eur). Anul 2025. 2.720 p
21. Echipamente pentru teste experimentale doctoranzi. 8955 lei (1725.431 Eur). Anul 2026. 51. Lei (12 331.406 Eur). Anul 2026. 369.942 p
22. Licenta Visual Components Premium EDU, 30 locuri. 64 000 Lei (14 983.540 Eur). Anul 2026. 449.506 p
23. Modernizare robot umanoid PEPPER (upgrade). 32 065 Lei. (6178.227 Eur). Anul 2026. 185.346 p
- 24.

A11. 800 p

1. Coordonator echipa elaborare documentatie Raport de autoevaluare pentru domeniu masterat Mecatronica si robotica 400 p
2. Coordonator echipa elaborare documentatie Raport autoevaluare pentru program licenta Robotica 400 p

A12. 20 p

1. Manolache Ionut, Colegiul Tehnic „Alexandru Ioan Cuza” Suceava, 2022. 20 p

B. Activități cu studenții

B1. 4600 p

1. Olimpiada Nationala de Mecanisme, Editia a II-a ONM 2023, Oradea (Huțuleac Ștefan Vlăduț, Mențiune concurs individual; Lala Ionuț Marian, mențiune concurs pe echipe; Irimesei Marina; Mențiune concurs pe echipe; Huțuleac Ștefan Vlăduț; Mențiune concurs pe echipe). 4 x 200 = 800 p
2. Olimpiada Nationala de Mecanisme, Editia a III-a ONM 2024, Cluj-Napoca (Pătrăcuță Codruț Vasilică, Premiul II concurs individual; Pătrăcuță Codruț Vasilică, Premiul II concurs pe echipe; Vasluianu Raul Veniamin, Premiul II concurs pe echipe; Resmeriță Constantin-Denis, Premiul II concurs pe echipe). 4 x 200 = 800 p

3. Olimpiada Nationala de Mecanisme, Ediția a IV-a ONM 2025, Craiova (Pătrăcuță Codruț Vasilică, Mențiune concurs individual; David Vlad, Mențiune concurs individual; Pătrăcuță Codruț Vasilică, Mențiune concurs pe echipe; Vasluianu Raul Veniamin, Mențiune concurs pe echipe; Popescu Andrei, Mențiune concurs pe echipe; Scutelnic Arthur, Mențiune concurs pe echipe; David Vlad, Mențiune concurs pe echipe; Resmeriță Constantin-Denis, Mențiune concurs pe echipe). $8 \times 200 = 1600$ p
4. Olimpiada Nationala de Mecanisme, Ediția a V-a ONM 2026, București (David Vlad, Mențiune concurs individual; David Vlad, Mențiune concurs pe echipe; Savin Aurora Gabriela, Mențiune concurs pe echipe; Dranga Adrian, Mențiune concurs pe echipe; Cheptanaru Atomei George, Mențiune concurs pe echipe; Popa Andrada Andreea, Mențiune concurs pe echipe; Cosmațchi Florinela, Mențiune concurs pe echipe). $7 \times 200 = 1400$ p

B2. 0

B3. 120 p

1. Ionescu Flavian, IV Robotica, Cap umanoid animatronic, 2024, Premiul III la faza pe facultate. 60 p
2. Popa Andrada-Andreea, II Mecatronica si Robotica, Proiectarea și implementarea unei platforme robotice animatronice cu 19 grade de libertate pentru redarea expresiilor faciale în interacțiunea om-robot, 2026, Premiul I la faza pe facultate. 60 p

B4. 0

B5. 0

B6. 0

B7. 2480 p

Indrumare proiect de diploma in afara normei

1. Diaconu Alin Stefan, Program licenta Robotica, Robot de tip manipulator, 2022. 40 p
2. Lupu Damian, Program licenta Robotica, Chitara robot, 2022. 40 p
3. Tatar Ioan Dragos, Program licenta Robotica, Robot mobil pentru detectare de gaze, 2022. 40 p
4. Fuica Alexandru Gabriel, Robot de tip manipulator controlat prin gesturi, 2022. 40 p
5. Olaru Irinel Sebastian, Program licenta Robotica, Sistem automat de menținere a benzii de rulare, 2022. 40 p.
6. Stavăr Adelin Adrian, Program licenta Robotica, Barcă autonomă cu sistem de evitare a obstacolelor, 2022. 40 p
7. Negoită Ștefan, Program licenta Robotica, Sistem de supraveghere prin procesare de imagine pe bază de culoare, 2022. 40 p
8. Bolgac Cătălin Ion, Program licenta Robotica, Robot mobil cu roți omnidirecționale, 2022. 40 p
9. Ionescu Flavian, Program licenta Robotica, Cap umanoid animatronic, 2026. 40p
10. Pătrăcuță Codruț Vasilică, Program licenta Robotica, Conceperea si realizarea unui roboti mobil omnidirectional, 2026. 40 p.
11. Savischii Tudor Ioan, Program licenta Robotica, Roboti mobil de cartografiere si navigare, 2026. 40 p
12. Ungureanu Alexandru, Robotica, Robot manipulator mobil, 2026. 40 p

Indrumare doctorat, in afara normei

1. Indrumare doctorat, in afara normei, 4 doctoranzi anual (in medie), $4 \times 5 \times 100 = 2000$ p

B8. 0

B9. 620 p

1. An universitar 2024-2025, disciplina Bazele Roboticii, 3 studenti din Franta: Thomas Lamy, Ryan Farikal, Florian Leloir. $3 \times 40 = 120$ p
2. An universitar 2024-2025, disciplina Roboti Mobili, 3 studenti din Franta: Thomas Lamy, Ryan Farikal, Florian Leloir. $3 \times 40 = 120$ p
3. An universitar 2024-2025, disciplina Mecanisme, 4 studenti din Spania: Ignacio Cabrere del Campo, Alberto Valades Casado, Raúl Fernández De Souza, Raquel Magarinos. $4 \times 40 = 160$ p
4. An universitar 2022-2023, disciplina Mecanisme, 3 studenti din Spania: Fernando Santiago Moreno Tirado, Marcos González García, Pablo Rafael Parra Alcázar. $3 \times 40 = 120$ p

B10. 200 p

1. Presedinte comisie licenta Robotica, $5 \times 20 = 100$ p
2. Presedinte comisie disertatie Sisteme robotizate $5 \times 20 = 100$ p

B11. 0

B12. 0

B13. 80 p

1. Tutore grupa Robotica, anul III si anul 4. $40 \times 2 = 80$ p

B14. 0

B15. 200 p

1. Prezentarea laboratorului in cadrul vizitelor elevilor de liceu, in medie 2 prezentari pe an. $2 \times 5 \times 20 = 200$ p

B16. 0

B17. 0

B18. 0

B19. 100 p

1. Tele M Iasi, 12 februarie 2025, Scoala si sanatate, cu Florina Stangaciu, <https://www.facebook.com/watch/?v=504544722687775>. 50 p
2. One Media Life, 20 noiembrie 2025, Bonjour Madame, cu Oana Puiu, <https://www.youtube.com/watch?v=YFtmLRb0zzA>. 50 p

B20. 0

II. PERFORMANȚE ȘTIINȚIFICE

C. Activitatea de cercetare științifică

C1. 0

C2. 16100 p

Lucrari publicate in jurnale WOS cu factor de impact 6360 p

1. **Doroftei, I.**, Cazacu, C. M. (2026). Design, Manufacturing, Tribology, and Performance of Microgears and Microgear Trains: A Critical Review of Mechanical Power Transmission at the Microscale. *Micromachines*, 17(8), 934. (0.1 + 3.5) x 150 = 540 p
2. **Doroftei, I.** (2026). Walking on Uneven Terrain with Hexapod Robots Having Underactuated Legs and Articulated Body. *Biomimetics*, 11(2), 132. (0.1 + 4.2) x 150 = 645 p
3. Ri98 **Ioan Doroftei**, Stelian Alaci, Marius-Gheorghe Hagan, Andrei Vieru, Ionel Staretu (2026) "DESIGNING AN AGRICULTURAL MOBILE ROBOT WITH HYBRID LOCOMOTION", Environmental Engineering and Management Journal, 25(2), 271-287. (0.1 + 0.8) x 150 = 135 p
4. Radu-Octavian Sandu, Danut-Constantin Irimia, **Ioan Doroftei** (2026), "A REVIEW ON INTERFACING STRATEGIES USED FOR ROBOTIC UPPER LIMB PROSTHESES", Environmental Engineering and Management Journal, 25(2), 325-333. (0.1 + 0.8) x 150 = 135 p
5. Cristina-Magda Cazacu, Vitalie Coadă, **Ioan Doroftei**, Stelian Alaci (2026), "A COMPREHENSIVE REVIEW OF LOWER LIMB EXOSKELETONS", Environmental Engineering and Management Journal, 25(2), 313-323. (0.1 + 0.8) x 150 = 135 p
6. Florentin Buium, Cezar D Duca, **Ioan Doroftei** (2026), THE QUALITY OF FORCE TRANSMISSION IN COMPLEX MECHANISMS USING THE STRUCTURAL GROUPS PROCEDURE, Environmental Engineering and Management Journal, 25(2), 335-340. (0.1 + 0.8) x 150 = 135 p
7. **DOROFTEI, I.**, CRIVOI, O. V., CAZACU, C. M., & ALACI, S. (2025). SOME PARTICULARITIES OF INTERNAL-EXTERNAL GEAR PAIRS WITH ZERO DIFFERENCE IN NUMBERS OF TEETH. *ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING*, 68(1 & 2). (0.1 + 0.3) x 150 = 60 p
8. Buium, F., **Doroftei, I.**, & Alaci, S. (2025). Assembly Modes and Workspace Analysis of a 3-R RR Planar Manipulator. *Robotics*, 14(2), 16. (0.1 + 3.6) x 150 = 555 p
9. Ciocirlan, T. M., Alaci, S., Ciornei, F. C., Romanu, I. C., & **Doroftei, I.** (2025, January). A Symmetrical RPRRR Robust Coupling for Crossed Axes Transmission. In *Actuators* (Vol. 14, No. 2, p. 64). MDPI. (0.1 + 2.4) x 150 = 375 p
10. Teodoriu, A. P., Pricop, B., Lohan, N. M., Popa, M., Comănesci, R. I., **Doroftei, I.**, & Bujoreanu, L. G. (2024, August). Designing a Robotic Gripper Based on the Actuating Capacity of NiTi-Based Shape Memory Wires. In *Actuators*, (13) 8, p. 319, MDPI. (0.1 + 2.4) x 150 = 375 p
11. Alaci, S., Ciornei, F.C., Romanu, I.C., **Doroftei, I.**, Bujoreanu, C. and Tamaşag, I. A Rapid and Inexpensive Method for Finding the Basic Parameters of Involute Helical Gears. *Applied Sciences*, 14(5), p.2043, 2024. (0.1 + 2.9) x 150 = 450 p
12. Alaci, S., Ciornei, F.C., Romanu, I.C., **Doroftei, I.**, Bujoreanu, C. and Tamaşag, I. A New Direct and Inexpensive Method and the Associated Device for the Inspection of Spur Gears. *Machines*, 11(12), p.1046, 2023. (0.1 + 3) x 150 = 465 p
13. Alaci, S., **Doroftei, I.**, Ciornei, F.C., Romanu, I.C., Ciocirlan, T.M. and Ciornei, M.C. Proposed Shaft Coupling Based on RPRRR Mechanism: Positional Analysis and Consequences. *Axioms*, 12(7), p.707, 2023. (0.1 + 1.5) x 150 = 240 p
14. Alaci, S., **Doroftei, I.**, Ciornei, F.C., Romanu, I.C., Doroftei, I.A. and Ciornei, M.C.. A New RP1PR Type Coupling for Shafts with Crossed Axes. *Mathematics*, 11(9), p.2025, 2023. (0.1 + 2.3) x 150 = 360 p
15. **Doroftei, I.**, C. M. Cazacu, and S. Alaci. Design and Experimental Testing of an Ankle Rehabilitation Robot. *Actuators*, 12 (6), pp. 238, 2023. (0.1 + 2.4) x 150 = 375 p
16. **Ioan Doroftei**, Claudia-Ana Morar, Stelian Alaci, and Marius-Gheorghe Hagan. "KINEMATIC DESIGN OF A HYBRID LOCOMOTION MOBILE MANIPULATOR FOR AGRICULTURAL APPLICATIONS." *ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING* 65(2S), pp. 319 – 324, 2022. (0.1 + 0.3) x 150 = 60 p
17. Alaci, Stelian, **Ioan Doroftei**, Florina-Carmen Ciornei, Ionut-Cristian Romanu, and Ioan Alexandru Doroftei. "The Kinematics of a Bipod R2RR Coupling between Two Non-Coplanar Shafts". *Mathematics*, 10(16), p 2898, 2022. (0.1 + 2.3) x 150 = 360 p
18. Rusu, L., Grigoraş, C. G., Suceveanu, E. M., Simion, A. I., Dediu Botezatu, A. V., Istrate, B., & **Doroftei, I.** (2021). Eco-friendly biosorbents based on microbial biomass and natural polymers:

Synthesis, characterization and application for the removal of drugs and dyes from aqueous solutions. *Materials*, 14(17), 4810. $(0.1 + 3.7) \times 150 = 570$ p

19. **I. Doroftei**, C.M Racu (Cazacu), and Y. Baudoin. Development of a robotic platform for ankle joint rehabilitation. ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol. 64, Issue 1, Special Issue SI 2, pp. 301-310, 2021. $(0.1 + 0.3) \times 150 = 60$ p
20. **Doroftei, I.**, Chirita, D., Stamate, C., Cazan, S., Pascal, C. and Burlacu, A. (2021), "Robotic system design and development for automated dismantling of PCB waste", *Industrial Robot*, Vol. 48 No. 5, pp. 720-725. $(0.1 + 2.1) \times 150 = 330$ p

Lucrari citate in jurnale WOS cu factor de impact 9740 p

1. Doroftei, V. Grosu, V. Spinu, "Omnidirectional Mobile Robot – Design and Implementation", în Bioinspiration and Robotics – Climbing and Walking Robots (ed. M. K. Habib), I-Tech / ARS International, 2007, pp. 511–529, ISBN 978-3-902613-15-8.
29 citari x 30 = 870 p
2. M. Horodincă, I. Doroftei, E. Mignon, A. Preumont, A Simple Architecture for In-Pipe Inspection Robots. Proceedings of the 2002 International Colloquium on Mobile and Autonomous Systems, pp. 61–64 (2002).
10 citari x 30 = 300 p
3. F. Adăscăliței, I. Doroftei, "Practical Applications for Mobile Robots Based on Mecanum Wheels – A Systematic Survey", The Romanian Review Precision Mechanics, Optics & Mechatronics, nr. 40, 2011, pp. 21–29.
34 citari x 30 = 1020 p
4. Hichri, B.; Fauroux, J.-C.; Adouane, L.; Doroftei, I.; Mezouar, Y. (2019). Design of cooperative mobile robots for co-manipulation and transportation tasks. Robotics and Computer-Integrated Manufacturing, 57, 412–421. DOI: 10.1016/j.rcim.2019.01.002.
28 citari x 30 = 840 p
5. I. Doroftei, I.-A. Doroftei (2014). Deployable Structures for Architectural Applications – A Short Review. Applied Mechanics and Materials, 658, 233–240. DOI: 10.4028/www.scientific.net/AMM.658.233.
21 citari x 30 = 630 p
6. A. Preumont, P. Alexandre, I. Doroftei, F. Goffin (1997). A Conceptual Walking Vehicle for Planetary Exploration. Mechatronics, 7(3), 287–296. DOI: 10.1016/S0957-4158(96)00043-8.
3 citari x 30 = 90 p
7. C. A. Morar, I. A. Doroftei, I. Doroftei, M. G. Hagan (2020). Robotic Applications on Agricultural Industry. A Review. IOP Conference Series: Materials Science and Engineering, 997(1), 012081. DOI: 10.1088/1757-899X/997/1/012081.
20 citari x 30 = 600 p
8. C.-C. Dosoftei, V. Horga, I. Doroftei, A.-T. Popovici, Ș. Custura (2020). Simplified Mecanum Wheel Modelling Using a Reduced Omni Wheel Model for Dynamic Simulation of an Omnidirectional Mobile Robot. 2020 EPE, Iași, pp. 721–726. DOI: 10.1109/EPE50722.2020.9305643.
14 citari x 30 = 420 p

9. E. Colon, P. Hong, J.-C. Habumuremyi, I. Doroftei, Y. Baudoin, H. Shali, D. Milojevic, J. Weemaels (2002). An Integrated Robotic System for Antipersonnel Mines Detection. *Control Engineering Practice*, 10(11), 1283–1291. DOI: 10.1016/S0967-0661(02)00090-4.
2 citari x 30 = 60 p
10. Rusu, L.; Grigoraș, C.-G.; Suceveanu, E. M.; Simion, A.-I.; Dediu Botezatu, A. V.; Istrate, B.; Doroftei, I. (2021). Eco-Friendly Biosorbents Based on Microbial Biomass and Natural Polymers: Synthesis, Characterization and Application for the Removal of Drugs and Dyes from Aqueous Solutions. *Materials*, 14(17), 4810. DOI: 10.3390/ma14174810.
24 citari x 30 = 720 p
11. I. Doroftei, Y. Baudoin (2012), “A Concept of Walking Robot for Humanitarian Demining”, *Industrial Robot: An International Journal*, 39(5), 441–449. DOI: 10.1108/01439911211249733.
1 citari x 30 = 30 p
12. I. Doroftei, B. Stirbu, “Design, Modeling and Control of an Omni-Directional Mobile Robot”, *Solid State Phenomena*, vols. 166–167, pp. 173–178 (2010). DOI: 10.4028/www.scientific.net/SSP.166-167.173.
2 citari x 30 = 60 p
13. I. Doroftei; C.-M. Cazacu; S. Alaci (2023), Design and Experimental Testing of an Ankle Rehabilitation Robot, *Actuators*, 12(6), 238. DOI: 10.3390/act12060238.
11 citari x 30 = 330 p
14. An Overview on the Applications of Mechanisms in Architecture. Part II: Foldable Plate Structures I.-A. Doroftei, C. Bujoreanu, I. Doroftei (2018). *IOP Conference Series: Materials Science and Engineering*, 444(5), 052019. DOI: 10.1088/1757-899X/444/5/052019.
15 citari x 30 = 450 p
15. I. Doroftei, B. Știrbu (2014). Application of Ni-Ti Shape Memory Alloy Actuators in a Walking Micro-Robot. *Mechanika*, 20(1), 70–79. DOI: 10.5755/j01.mech.20.1.3531.
4 citari x 30 = 120 p
16. A. Conduraru (Slătineanu), I. Doroftei, I. Conduraru (2013). An Overview on the Design of Mobile Robots with Hybrid Locomotion. *Advanced Materials Research*, 837, 555–560. DOI: 10.4028/www.scientific.net/AMR.837.555.
5 citari x 30 = 150 p
17. V. Atanasiu; I. Doroftei (2008). “Dynamic Contact Loads of Spur Gear Pairs with Addendum Modifications.” *European Journal of Mechanical and Environmental Engineering*, 49(2), 27–32.
3 citari x 30 = 90 p
18. Hichri, B.; Adouane, L.; Fauroux, J.-C.; Mezouar, Y.; Doroftei, I. (2016). Cooperative Mobile Robot Control Architecture for Lifting and Transportation of Any Shape Payload. În: *Distributed Autonomous Robotic Systems*, Springer Tracts in Advanced Robotics, vol. 112, pp. 177–191. DOI: 10.1007/978-4-431-55879-8_13.
5 citari x 30 = 150 p
19. I. Doroftei, V. Grosu, V. Spînu (2008), “Design and Control of an Omni-Directional Mobile Robot”, în *Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics*, Springer, pp. 105–110. DOI: 10.1007/978-1-4020-8737-0_19.
2 citari x 30 = 60 p

Alte 97 de citari in jurnale WOS cu factor de impact pentru alte lucrari. Din lipsa de timp, acestea nu au putut fi redactate.

97 citari x 30 = 2810 p



C3. 1550 p

Lucrari publicate in jurnale indexate WOS (fara factor de impact) si BDI 390 p

1. Crivoi, O. V., **Doroftei, I.**, Cazacu, C. M. (2026). Kinematic Modeling of a Small-Tooth-Difference Planetary Involute Reducer. *Bulletin of the Polytechnic Institute of Iasi. Machine constructions Section*, 72(3), 141-165. 30 p
2. Diaconu, A. Ș., **Doroftei, I.** (2026). Locomotion Mechanisms for Mobile Robots: Classification, Kinematic-Dynamic Modeling, and Motion Control—A Review. *Bulletin of the Polytechnic Institute of Iasi. Machine constructions Section*, 72(3), 121-140. 30 p
3. Diaconu, A. S., **Doroftei, I.** (2025), MOBILE ROBOTS FOR LIFTING AND TRANSPORTING OBJECTS OF ANY SHAPE – A REVIEW, *Bulletin of the Polytechnic Institute of Iasi. Machine constructions Section*, 71(4), 49-64. 30 p
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C6. 0

C7. 0

C8. 0

C9. 5 p

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C11. 850 p

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5. 8th International Workshop on New Trends in Medical and Service Robots, MESROB 2023, June 7-10, 2023, Craiova, Romania. 50 p
6. The Joint International Conference of the XV International Conference on Mechanisms and Mechanical Transmissions (MTM) and the XXVII International Conference on Robotics (ROBOTICS) Timișoara, Romania, October 15 – 17, 2026. 50 p
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1. Diploma si Medalia de aur pentru “Vehicul cu patru roți omnidirecționale”, UGAL INVENT, Galați, 2023. **I. Doroftei**, V. Horga, M. Ratoi, Vehicul cu patru roti omnidirectionale, Brevet de invenție nr. RO128285-B1, OSIM; 100 p
2. Diploma si Medalia de aur pentru “Reductor planetar cu o roată centrală”, UGAL INVENT, Galați, 2023. **Doroftei I**, Horodincea M, Doroftei IA, Cerere brevet de invenție A 00391/21.07.2023, OSIM; 100 p
3. Diploma si Medalia de aur pentru “Robot mobil omnidirecțional autonom”, UGAL INVENT, Galați, 2023. Constantin Cătălin Dosoftei, Alexandru Tudor Popovici, Vasile Horga, **Ioan Doroftei**, Vlad Aurelian Iolea, Adrian Ciobanu, Robot mobil omnidirecțional autonom, brevet de invenție nr. 135580 B1, 12/2023, OSIM; 100 p

Descriri brevetate

1. Constantin Cătălin Dosoftei, Alexandru Tudor Popovici, Vasile Horga, **Ioan Doroftei**, Vlad Aurelian Iolea, Adrian Ciobanu, Robot mobil omnidirecțional autonom, brevet de invenție nr. 135580 B1, 12/2023, OSIM. 100 p

Descrieri înregistrate

1. **Doroftei I**, Reductor planetar cu o roata centrala fixa si cuplaje cu bile, Cerere brevet de invenție A 00631/16.09.2026, OSIM. 50 p
2. **Doroftei I**, Robot pasitor hexapod cu corp articulata, Cerere brevet de invenție A 00021/23.01.2026, OSIM. 50 p
3. **Doroftei I**, Horodina M, Doroftei IA, Reductor planetar cu o roata centrala, Cerere brevet de invenție A 00391/21.07.2023, OSIM. 50 p
4. **Doroftei I**, Horodina M, Doroftei IA, Reductor planetar cu o roata centrala, Cerere brevet de invenție A 00454/11.08.2023, OSIM. 50 p

C13. 888 p

1. DEVELOPMENT OF A WORLD-LEVEL NEUROENGINEERING RESEARCH CENTRE BY EUROPEAN TWINNING. Contract H2020 – WIDESPREAD-05-2020, nr. 952378 – BRAINTWIN, Perioada derulata 2020 - 2023. Director grant Conf.univ.dr.ing. Nicolae Lucanu. Ioan Doroftei - Membru echipa. 37 500 EUR regia pentru perioada evaluata (Sept 2021 – 2023). $[(37\,500 / 100) \times 15 \times 0.4] / 25 = 90$ p
2. CENTRU SUPT PENTRU ELABORAREA SI IMPLEMENTAREA PROIECTELOR DE CERCETARE-DEZVOLTARE CU FINANTARE INTERNATIONALA IN DOMENIUL TEHNOLOGIILOR NOI SI EMERGENTE. ORIZONT 2020, Axa POC-A.1-A.1.1.3-H-2016), ACCESS 2020, Perioada 2020 – 2023. Director grant Conf.univ.dr.ing. Nicolae Lucanu. Ioan Doroftei - Membru echipa. 82 500 EUR materiale + regia pentru perioada evaluata (Sept 2021 – 2023). $[(82\,500 / 100) \times 15 \times 0.4] / 25 = 198$ p
3. MANUFACTURING & HEALTH FOR BETTER BUSINESS LIFE AND HEALTH IN THE NORTH EAST ROMANIAN REGION. DIGITAL EDITH-2021-EDIH-01-ID 323036-POCIDIF 2021-2027, Perioada 2022-2026. Director grant, Conf.univ.dr.ing. Simona Caraiman. Ioan Doroftei - Membru echipa. 300 000 EUR materiale + regia pentru perioada evaluate. $[(300\,000 / 100) \times 15 \times 0.4] / 30 = 600$ p

C14. 99.772 p

1. DEZVOLTAREA UNUI SISTEM LOGISTIC INTELIGENT UTILIZAND ROBOTI MOBILI OMNIDIRECTIONALI AUTONOMI, ROSY-LOGISTIC, PN III 19PTE/2020, Perioada 2020-2022. Responsabil partener TUIASI Conf.univ.dr.ing. Catalin Doroftei. Ioan Doroftei – Membru echipa. 20 000 EUR materiale + regia pentru perioada evaluata. $[(20\,000 / 100) \times 10 \times 0.4] / 10 = 80$ p
2. PLATFORMA ROBOTIZATA PENTRU REABILITAREA ARTICULATIEI GLEZNEI, Grant MEDTECH-PROOF of CONCEPT GI / MedTech_13/2022. Ioan Doroftei - Director grant. Grant in cadrul proiectului CNFIS-FDI-2022-0460, 16 000 lei pentru materiale (3245.436 Eur) $32.454 \text{ p} \times 0.6 = 19.772$ p

Cheltuieli materiale (materii prime și materiale, obiecte de inventar)*

Nr. crt.	Denumire produs	Valoare (lei)
1.	Digital Servo HD - 1235MG Tensiunea de alimentare: 6V-7.4V, Cuplu: 35kg-cm, 60 grade in 0.20s – 6 buc.	2400
2.	Controller servo 6 canale USB Micro-Maestro – 7 buc.	805
3.	Traductor rotativ incremental, 5000 PPR – 6 buc.	9000
4.	Placa de dezvoltare Arduino Leonardo, varianta completa – 2 buc.	340
5.	Placa de dezvoltare Arduino UNO R3 (ATmega328p) – 3 buc.	180
6.	Laptop ASUS X515EA cu procesor Intel® Core™ i7-1165G7 pana la 4.70 GHz, 15.6" Full HD, IPS, 8GB, 512GB M.2 NVMe™ PCIe® 3.0 SSD, Intel Iris Xe Graphics, Free Dos – 1 buc.	24990
7.	Rulment linar in carcasa SC8UU – 10 buc.	400
	Rulment linar in carcasa SC10UU – 10 buc.	376
5.	TOTAL	16,000

C15. 0

17

C16. 93.333 p

1. Radu-Octavian Sandu, Danut-Constantin Irimia, **Ioan Doroftei**, Compact and Cost-Effective EMG Acquisition Systems for Neuroprosthetic Control. Part II: Prototype Development, Experimental Evaluation and Comparative Analysis, Bronze Best Student Paper Award, SYROM 2025. 40 : 3 = 13.333 p
2. Ovidiu-Vasile Crivoi, **Ioan Doroftei**, Cristina-Magda Cazacu, Constantin Puscasu, Backlash and Contact-State Analysis of a Small-Tooth-Difference Planetary Involute Reducer with Pin-Hole Output Coupling, Bronze Best Student Paper Award, MTM&ROBOTICS 2026. 40 : 4 = 10 p
3. **Ioan Doroftei**, Vitalie Coadă, Cristina-Magda Cazacu, Direct and Inverse Position Kinematics of a 2-DOF Ankle Rehabilitation Platform Based on Equivalent and Spatial Mechanisms, ACME 2026, Gold Paper Award. 40 : 3 = 13.333 p
4. **Ioan Doroftei**, Vitalie Coadă, Cristina-Magda Cazacu, Reduced Dynamic Modeling and Symbolic Inverse Dynamics of a 2-DOF Ankle Rehabilitation Platform, ACME 2026, Gold Paper Award. 40 : 3 = 13.333 p
5. **Ioan Doroftei**, Vitalie Coadă, Cristina-Magda Cazacu, Velocity and Acceleration Kinematics of a 2-DOF Ankle Rehabilitation Platform Based on Equivalent and Spatial Mechanisms, ACME 2026, Gold Paper Award. 40 : 3 = 13.333 p
6. Radu-Octavian Sandu, **Ioan Doroftei**, Closed-Form Position, Velocity, and Acceleration Kinematics of a Planar Linkage-Driven Prosthetic Finger, ACME 2026, Gold Paper Award. 40 : 2 = 20 p
7. Radu-Octavian Sandu, **Ioan Doroftei**, Symbolic Dimensional Synthesis of a Planar Linkage-Driven Prosthetic Finger, ACME 2026, Gold Paper Award. 40 : 2 = 20 p

C17. 900 p

1. The Joint International Conference of the 13th IFToMM International Symposium on Science of Mechanisms and Machines (SYROM 2022) and the XXV International Conference on Robotics (ROBOTICS 2022), November 17 - 18, 2022, Iasi, Romania. Conference Chair, 200 p
2. The 10th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2022, June 09-10, 2022, Iasi, Romania. Organizing Committee Co-Chair, 200 : 2 = 100 p
3. The 11th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2024, June 06-07, 2024, Iasi, Romania. Organizing Committee Co-Chair, 200 : 2 = 100 p
4. MTM & ROBOTICS 2024 – The Joint International Conference of the XIV International Conference on Mechanisms and Mechanical Transmissions (MTM) and the XXVI International Conference on Robotics (ROBOTICS), 14-16 November; Iași, Romania. Conference Chair, 200 p
5. The 10th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2026, June 04-05, 2026, Iasi, Romania. Organizing Committee Co-Chair, 200 : 2 = 100 p
6. 25th International Symposium on Measurement and Control in Robotics (ISMCR 2023), Iasi, Romania, September 21-22, 2023. Conference Chair, 200 p

C18. 0

C19. 100 p

1. Granturi interne TUIASI - Proiecte de inovare MEDTECH-PROOF of CONCEPT, Proiect CNFIS-FDI-2022-0460 și Venituri Proprii TUIASI, Nr. Contract 13, Perioada de derulare 01.09.2022-30.11.2022. Director grant: **Ioan Doroftei**. 100 p

C20. 5580 p

Recenzor de lucrări publicate in reviste internaționale WOS

270 x 20 = 5400 p

Recenzor de lucrări publicate în volume indexate WOS

4 x 10 = 40 p

Recenzor de lucrări în reviste și volume BDI

28 x 5 = 140 p

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-  [REVIEW Journal of Mechanical Science and Technology 28 MAR 2025]
-  [REVIEW Journal of Mechanical Science and Technology 31 IAN 2025]
-  [REVIEW MACHINES 03 IUNIE 2026]
-  [REVIEW MACHINES 07 FEB 2025]
-  [REVIEW MACHINES 16 MAR 2025]
-  [REVIEW MACHINES 21 IUNIE 2026]
-  [REVIEW MACHINES 23 SEPT 2026]
-  [REVIEW MACHINES 28 MAR 2025]
-  [REVIEW MACHINES 29 IUNIE 2026]
-  [REVIEW MACHINES 31 IAN 2025]
-  [REVIEW MEASUREMENT 01 MAI 2026]
-  [REVIEW MEASUREMENT 11 IULIE 2026]
-  [REVIEW Mechanics Based Design of Structures and Machines 18 IUNIE 2026]
-  [REVIEW MECHATRONICS 14 SEPT 2026]

- [REVIEW Part C- Journal of Mechanical Engineering Science 07 IAN 2026]
- [REVIEW Part C- Journal of Mechanical Engineering Science 11 IULIE 2025]
- [REVIEW Part C- Journal of Mechanical Engineering Science 17 OCT 2026]
- [REVIEW Part C- Journal of Mechanical Engineering Science 19 FEB 2026]
- [REVIEW Part C- Journal of Mechanical Engineering Science 20 FEB 2025]
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- [REVIEW Part C- Journal of Mechanical Engineering Science 22 MAI 2025]
- [REVIEW Part C- Journal of Mechanical Engineering Science 22 OCT 2025]
- [REVIEW Part C- Journal of Mechanical Engineering Science 24 APRILIE 2026]
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- [REVIEW PROCESSES 11 MAI 2026]
- [REVIEW ROBOTICA 02 AUG 2025]
- [REVIEW ROBOTICA 03 NOV 2026]
- [REVIEW ROBOTICA 07 APRILIE 2026]
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- [REVIEW ROBOTICA 07 NOV 2025]
- [REVIEW ROBOTICA 07 SEPT 2025]
- [REVIEW ROBOTICA 08 IULIE 2025]
- [REVIEW ROBOTICA 08 IULIE 2025_1]
- [REVIEW ROBOTICA 11 IULIE 2026]
- [REVIEW ROBOTICA 16 IAN 2026]
- [REVIEW ROBOTICA 18 APR 2025]
- [REVIEW ROBOTICA 18 SEPT 2026]
- [REVIEW ROBOTICA 19 IULIE 2026]
- [REVIEW ROBOTICA 20 AUGUST 2026]
- [REVIEW ROBOTICA 20 OCT 2026]
- [REVIEW ROBOTICA 23 MAI 2025]
- [REVIEW ROBOTICA 25 APR 2025]
- [REVIEW ROBOTICA 30 OCT 2026]
- [REVIEW ROBOTICA 31 AUG 2025]
- [REVIEW ROBOTICS 18 IUNIE 2026]
- [REVIEW ROBOTICS 24 SEPT 2025]
- [REVIEW ROBOTICS 27 OCT 2025]
- [REVIEW ROBOTICS 29 IUNIE 2026]
- [REVIEW SENSORS 11 IULIE 2026]
- [REVIEW SENSORS 24 IAN 2026]
- [REVIEW SENSORS 24 MARTIE 2026]
- [Review Transactions on Neural Systems & Rehabilitation Engineering 17 APR 2025]
- [Review Transactions on Neural Systems & Rehabilitation Engineering 19 MAR 2025]
- [Review Transactions on Neural Systems & Rehabilitation Engineering 25 IAN 2025]

III. RECUNOAȘTERE NAȚIONALĂ ȘI INTERNAȚIONALĂ

D1. 50 p

1. Doroftei I., ROSYLOGISTIC - Development of a fleet of autonomous omnidirectional mobile robots for logistic applications. 26th International Symposium on Measurement and Control in

Robotics (ISMCR 2025), Sambreville, Belgium, October 07 - 08, 2025; Keynote Speaker. Invitație din partea ICI – International CBRN Institute Belgium.

D2. 0

D3. 0

D4. 1350 p

2. **ACME 2022 (X) – Advanced Concepts in Mechanical Engineering**, 9–10 iunie; Iași, România, Președinte al comitetului de organizare și Membru al comitetului științific
3. **ModTech 2022**, 22–25 iunie; Mamaia, România, Membru al comitetelor de organizare și științific
4. **CLAWAR 2022 (XXV) – Climbing and Walking Robots**, 12–14 septembrie; Ponta Delgada, Portugalia, Membru al International Scientific Committee
5. **SYROM & ROBOTICS 2022**, 17–18 noiembrie; Iași, România, Conference Chairman și Membru al International Scientific Committee
6. **ModTech 2023 (XI)**, 14–17 iunie; București, România, Membru al comitetelor de organizare și științific
7. **ISMCR 2023 (XXV) – Measurement and Control in Robotics**, 21–22 septembrie; Iași, România, Conference Chairman și Membru al International Scientific Committee
8. **CLAWAR 2023 (XXVI)**, 2–4 octombrie; Florianópolis, Brazilia, Membru al International Scientific Committee
9. **RAAD 2024 (XXXIII) – Robotics in Alpe-Adria-Danube Region**, 5–7 iunie; Cluj-Napoca, România, Membru al National Committee
10. **ACME 2024 (XI)**, 6–7 iunie; Iași, România, Președinte al comitetului de organizare și Membru al comitetului științific
11. **ModTech 2024 (XII)**, 24–27 iunie; Putrajaya, Malaysia, Membru al comitetelor de organizare și științific
12. **MEDER 2024 (VI) – IFToMM Mechanism Design for Robotics**, 27–29 iunie; Timișoara, România, Membru al National Organizing Committee
13. **CLAWAR 2024 (XXVII)**, 4–6 septembrie; Kaiserslautern, Germania, Membru al International Scientific Committee
14. **MTM & ROBOTICS 2024**, 14–16 noiembrie; Iași, România, Conference Chairman și Membru al International Scientific Committee
15. **ModTech 2025 (XIII)**, 11–14 iunie; Zakopane, Polonia, Membru al comitetelor de organizare și științific
16. **CLAWAR 2025 (XXVIII)**, 5–7 septembrie; Shenzhen, China, Membru al International Scientific Committee
17. **ISMCR 2025 (XXVI)**, 7–8 octombrie; Sambreville, Belgia, Publication & Review Co-chair; membru al International Scientific Committee
18. **ICINCO 2025 (XXII) – Informatics in Control, Automation and Robotics**, 20–22 octombrie; Marbella, Spania, Membru al Program Committee
19. **SYROM 2025 (XIV) – Science of Mechanisms and Machines**, 23–25 octombrie; Brașov, România, Symposium Co-chair; membru al comitetului științific
20. **WcCST 2026 – World Conference on Computational Science and Technology**, 26–27 martie; Mohali, India, Membru al International Advisory Committee
21. **ACME 2026 (XII)**, 4–5 iunie; Iași, România, Copreședinte al comitetului de organizare; membru al comitetului științific
22. **ModTech 2026 (XIV)**, 17–20 iunie; Constanța, România, Membru al comitetelor de organizare și științific
23. **CLAWAR 2026 (XXIX)**, 14–16 septembrie; Cranfield, Regatul Unit, Membru al International Scientific Committee
24. **ISMCR 2026 (XXVII)**, 17–18 septembrie; Rio de Janeiro, Brazilia, Publication & Review Co-chair; membru al International Scientific Committee

25. **InCACCT 2024 (II) – Advancement in Computation & Computer Technologies**, India, Membru al comitetului științific internațional
26. **InCACCT 2025 (III) – Advancement in Computation & Computer Technologies**, Mohali, India, Membru al International Advisory Committee
27. **CoDIT 2026 (XI) – Control, Decision and Information Technologies**, 13–16 iulie; Bari, Italia, Membru al International Program Committee

D5. 4650 p

Membru în colective de redacție sau editor la reviste

Jurnale WOS cu factor de impact 3450 p

1. Associate Editor, ROBOTICA (<https://www.cambridge.org/core/journals/robotica/information/editorial-board>) - **Doroftei I.** 5 x 150 = 750 p
2. Topic Editor, ACTUATORS (https://www.mdpi.com/journal/actuators/topic_editors) - **Doroftei I.** 5 x 150 = 750 p
3. Guest Editor, Frontiers in Robotics and AI, <https://www.frontiersin.org/research-topics/79960/rehabilitation-robotics-clinical-effectiveness-and-patient-engagement> – **Doroftei I.** 150 p
4. Guest Editor, ACTUATORS (https://www.mdpi.com/journal/actuators/special_issues/advanced_robots_actuators) - **Doroftei I.** 2 x 150 = 300 p
5. Topic Editor, MATERIALS (https://www.mdpi.com/journal/materials/topic_editors) - **Doroftei I.** 150 p
6. Guest Editor, MACHINES, Smart Application in Mechanisms, Machine Design and Robotics, <https://susy.mdpi.com/academic-si/NEZKTIFhbHI1b0V0OFRKaFdJSExxUT09/all> – **Doroftei I.** 150 p
7. Guest Editor, MACHINES, New Advances in Science of Mechanisms and Machines, <https://susy.mdpi.com/academic-si/NnpOZGZDbUw4WDZCWlJubVF4aUVrdz09/all> – **Doroftei I.** 150 p
8. Guest Editor, MATERIALS (https://www.mdpi.com/journal/materials/special_issues/advance_materials_multifunctional_applications) - **Doroftei I.** 2 x 150 = 300 p
9. Membru Editorial Advisory Board, INDUSTRIAL ROBOT, <https://www.emerald.com/ir/pages/editorial-board> – **Doroftei I.** 5 x 150 = 750 p

Alte jurnale internațional 600 p

1. Associate Editor, American Journal of Mechanical and Materials Engineering, AJMEE, <https://www.sciencepublishinggroup.com/journal/525/editorial-team> - **Doroftei I.** 100 p
2. Membru în comitetul editorial, International Journal of Advance Robotics & Expert Systems (JARES) - **Doroftei I.** 5 x 100 = 500 p

Editor la volume publicate în cadrul congreselor internaționale 600 p

1. Neagoe, M., **Doroftei, I.**, Lovasz, E. C. (Eds.), (2026) Advances in Mechanisms and Machine Science. SYROM 2025, Mechanisms and Machine Science book series, Volume 198, 2026, Springer, Cham, Hardcover ISBN 978-3-032-14022-7, <https://doi.org/10.1007/978-3-032-14023-4>.
2. **Doroftei, I.**, Baudoin, Y., Taqvi, Z., Keller Fuchter, S. (Eds.), (2026) Measurements and Control in Robotics - Proceedings of ISMCR 2025, Mechanisms and Machine Science book series, Volume 199, 2026, Springer, Cham, Hardcover ISBN 978-3-032-14073-9, <https://doi.org/10.1007/978-3-032-14074-6>.
3. **Doroftei, I.**, & Lovasz, E. C. (Eds.). (2025). New Advances in Mechanisms, Mechanical Transmissions and Robotics: MTM & Robotics 2024, Mechanisms and Machine Science book series, Vol. 178. Springer Nature, Hardcover ISBN 978-3-031-87536-6, <https://doi.org/10.1007/978-3-031-87537-3>.

4. **I. Doroftei**, B. Kiss, Y. Baudoin, Z. Taqvi, S. Keller Fuchter (eds.), *25th International Symposium on Measurements and Control in Robotics - Proceedings of ISMCR 2023*, Mechanisms and Machine Science book series, Volume 154, 2024, ISBN: 978-3-031-51084-7, <https://doi.org/10.1007/978-3-031-51085-4>, Springer, Cham.
5. **I. Doroftei**, M. Nitulescu, D. Pislă, E-Chr. Lovasz (eds.), *Proceedings of SYROM 2022 & ROBOTICS 2022*, Mechanisms and Machine Science book series, Volume 127, 2023, ISBN: 978-3-031-25654-7, https://doi.org/10.1007/978-3-031-25655-4_26, Springer, Cham.
6. **I. Doroftei**, A. Popescu, C. Bujoreanu (Eds), *Proceedings of The 10th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2022)*, IOP Conf. Series: Materials Science and Engineering, Volume 1262, 2022, doi: 10.1088/1757-899X/1262/1/011001, IOP Publishing, ISBN: 978-1-7138-6158-4, ISSN: 1757-8981.

D6. 75 p

Membru în colectivele de redacție sau editor la revistele românești

1. Membru în comitetul editorial, Bulletin of the Polytechnic Institute of Iași. Machine constructions Section, eISSN 2537-4869 - **Doroftei I.** 25 p
2. Membru în comitetul științific, ROBOTICA & MANAGEMENT-International Journal, revista BDI, ISSN 1453-2069, editată de Societatea de Robotica din Romania - **Doroftei I.** 25 p
3. Membru în comitetul științific, Bulletin of the Transilvania University of Brasov, Series I: Engineering Sciences - **Doroftei I** 25 p

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