

**Lista de lucrări în domeniul de știință definit de disciplinele din postul scos
la concurs**

NUMELE ȘI PRENUMELE: *Faluvégi Erzsébet*

I. LISTA PUBLICAȚIILOR RELEVANTE

1. **Faluvégi, E.,** Cristea, L., „*The Control Operations of Gears Precision*”, Bulletin of the Transilvania University of Brasov, 2010, Vol. 3, No. 52, pp. 15-21 - EBSCO <http://www.ebscohost.com/titleLists/a9h-subject.xls>, ISSN 2065-2119 (Print), ISSN 2065-2127 (CD-ROM).
2. Mate, Cs. Z., **Faluvegi, E.,** Cristea, L., „*The symbolic solution for the kinematic task of a biped robot*”, Bulletin of the Transilvania University of Brasov, 2011, Vol. 4, No. 53, pp. 25-32 - EBSCO <http://www.ebscohost.com/titleLists/a9h-subject.xls>, ISSN 2065-2119 (Print), ISSN 2065-2127 (CD-ROM).
3. Coblis, C. I., Olteanu, C., **Faluvegi, E.,** „*Analysis of a turbine wheel inspection process*”, Romanian Review Precision Mechanics, Optics & Mechatronics, 2011, Vol. 39, pp. 181-185 – EBSCO [Asrjournals.xls](http://www.ebscohost.com/titleLists/a9h-subject.xls), ISSN: 1584-5982.
4. Mate, Cs. Z., **Faluvegi, E.,** Cristea, L., „*Aspects of lag's5-DOF a biped robot stabilization*”, Advanced Materials Research, 2011, Vol. 463-464, pp. 1193-1196 - SCOPUS www.scopus.com, Ei Compendex (CPX) www.ei.org, Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, ISSN: 1662-8985.
5. Máté, Cs. Z., **Faluvégi, E.,** Cristea, L., *The Symbolic Solution for the Kinematic Task of Leg's 6-DOF a Biped Robot*, Romanian Review Precision Mechanics, Optics & Mechatronics, 2011, Vol. 40, pp. 252-256 - EBSCO [Asrjournals.xls](http://www.ebscohost.com/titleLists/a9h-subject.xls), ISSN: 1584-5982.
6. **Faluvegi, E.,** Mate, Cs. Z., Cristea, L., „*Measuring the flanks of a bevel gear made by Heidenreich-Harbeck cutting machine*”, Applied Mechanics and Materials, 2012, Vol. 186, pp. 163-168 - SCOPUS www.scopus.com, Ei Compendex (CPX) www.ei.org, Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, ISSN: 1662-7482.

Faluvegi

7. Mate, Cs. Z., **Faluvegi, E.**, Cristea, L., „*Mathematical simulation of leg's 5-DOF a biped robot*”, Applied Mechanics and Materials, 2012, Vol. 186, pp. 221-226 - SCOPUS www.scopus.com, Ei Compendex (CPX) www.ei.org, Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, ISSN: 1662-7482.
8. **Faluvégi, E.**, Mate, Cs. Z., Cristea, L., „*Determining the flanks of the bevel gears with eloid teeth using mathematical equations*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, 2012, Vol. XI, No. XXI, pp. 4.43-4.48 - SCOPUS www.scopus.com, ISSN: 1583-0691.
9. Mate, Cs. Z., **Faluvegi, E.**, Cristea, L., „*Mathematical simulation in center of gravity position for a biped robot*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, 2012, Vol. XI, No. XXI, pp. 2.77-2.82, 2012 - - SCOPUS www.scopus.com, ISSN: 1583-0691.
10. **Faluvegi, E.**, Cristea, L., „*Probe-radius Compensation of the Bevel Gears Tooth Surface Using 3D Measured Points*”, Applied Mechanics and Materials, 2013, Vol. 332, pp. 405-410 - SCOPUS www.scopus.com, Ei Compendex (CPX) www.ei.org, Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, ISSN: 1662-7482.

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Teza de doctorat.

Cercetări privind metodele de măsurare a parametrilor geometrici ai roților dințate, 2012, Universitatea Transilvania din Brașov

C. Lucrări științifice publicate

C2. Lucrări științifice publicate în reviste indexate în baze de date internaționale (indicați și baza de date).

2010

1. **Faluvégi, E.**, Cristea, L., „*The Control Operations of Gears Precision*”, Bulletin of the Transilvania University of Brasov, 2010, Vol. 3, No. 52, pp. 15-21 - EBSCO

Faluvegi

<http://www.ebscohost.com/titleLists/a9h-subject.xls>, ISSN 2065-2119 (Print), ISSN 2065-2127 (CD-ROM).

2011

2. Mate, Cs. Z., **Faluvegi, E.**, Cristea, L., „*The symbolic solution for the kinematic task of a biped robot*”, Bulletin of the Transilvania University of Brasov, 2011, Vol. 4, No. 53, pp. 25-32 - EBSCO <http://www.ebscohost.com/titleLists/a9h-subject.xls>, ISSN 2065-2119 (Print), ISSN 2065-2127 (CD-ROM).
3. Coblis, C. I., Olteanu, C., **Faluvegi, E.**, „*Analysis of a turbine wheel inspection process*”, Romanian Review Precision Mechanics, Optics & Mechatronics, 2011, Vol. 39, pp. 181-185 – EBSCO Asrjournals.xls, ISSN: 1584-5982.
4. Mate, Cs. Z., **Faluvegi, E.**, Cristea, L., „*Aspects of lag's 5-DOF a biped robot stabilization*”, Advanced Materials Research, 2011, Vol. 463-464, pp. 1193-1196 - SCOPUS www.scopus.com, Ei Compendex (CPX) www.ei.org, Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, ISSN: 1662-8985.
5. Máté, Cs. Z., **Faluvégi, E.**, Cristea, L., *The Symbolic Solution for the Kinematic Task of Leg's 6-DOF a Biped Robot*, Romanian Review Precision Mechanics, Optics & Mechatronics, 2011, Vol. 40, pp. 252-256 - EBSCO Asrjournals.xls, ISSN: 1584-5982.

2012

6. **Faluvegi, E.**, Mate, Cs. Z., Cristea, L., „*Measuring the flanks of a bevel gear made by Heidenreich-Harbeck cutting machine*”, Applied Mechanics and Materials, 2012, Vol. 186, pp. 163-168 - SCOPUS www.scopus.com, Ei Compendex (CPX) www.ei.org, Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, ISSN: 1662-7482.
7. Mate, Cs. Z., **Faluvegi, E.**, Cristea, L., „*Mathematical simulation of leg's 5-DOF a biped robot*”, Applied Mechanics and Materials, 2012, Vol. 186, pp. 221-226 -

Faluvegi

SCOPUS www.scopus.com, Ei Compendex (CPX) www.ei.org, Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, ISSN: 1662-7482.

8. **Faluvégi, E.**, Mate, Cs. Z., Cristea, L., „Determining the flanks of the bevel gears with eloid teeth using mathematical equations”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, 2012, Vol. XI, No. XXI, pp. 4.43-4.48 - SCOPUS www.scopus.com, ISSN: 1583-0691.
9. Mate, Cs. Z., **Faluvegi, E.**, Cristea, L., „Mathematical simulation in center of gravity position for a biped robot”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, 2012, Vol. XI, No. XXI, pp. 2.77-2.82, 2012 - - SCOPUS www.scopus.com, ISSN: 1583-0691.

2013

10. **Faluvegi, E.**, Cristea, L., „Probe-radius Compensation of the Bevel Gears Tooth Surface Using 3D Measured Points”, Applied Mechanics and Materials, 2013, Vol. 332, pp. 405-410 - SCOPUS www.scopus.com, Ei Compendex (CPX) www.ei.org, Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, ISSN: 1662-7482.

C3. Lucrări științifice publicate în reviste din străinătate (altele decât cele menționate anterior).

2011

1. **Faluvégi, E.**, Cristea, L., Control Operation and Analysis of the Spur Gears Profile, Hungarian Journal of Industrial Chemistry, 2011, Vol. 39(2), pp. 169-172, ISSN: 0133-0276.

C4. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS (altele decât cele din baze de date internaționale).

2010

1. **Faluvégi, E.**, „Precision Determination on the Teeth's Flanks of the Bevel Gears”, Creativitate și Inventica, 2010, Nr. 2 – ISSN: 2067-3086.

Faluvégi

2011

2. **Faluvegi, E., Cristea, L., Coblis, C. I.,** „*Surface description and measure od spur gear flanks*”, Revista Mecatronică, 2011, Vol. 1, pp. 68-71 - ISSN: 1583-7653.

C6. Lucrări științifice publicate în volumele manifestărilor științifice

2010

1. **Faluvégi, E., Cristea, L.,** „*Creative Technique in the Domain of Bevel Gears*”, 2nd International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics in Târgu Mureș, Scientia Publishing House, Cluj Napoca, 2010, pp. 209-215.
2. **Faluvégi, E., Cristea, L.,** „*The Study of the Involute Profile of the Spur Gear*”s, 7th International Conference of PhD Students in Miskolc, University of Miskolc, Innovation and Technology Transfer Centre, 2010, pp. 47-50.

2011

3. **Faluvégi, E., Cristea, L.,** „*Precision analysis of the spur gears tooth's surfaces*”, 2nd International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics in Târgu Mureș, Scientia Publishing House, Cluj Napoca, 2011, pp. 175-181.
4. **Faluvegi, E., Mate, Cs. Z., Coblis, C. I., Cristea, L.,** „*Measuring and analysing the bevel gears with octoid I teething*”, International Proceedings of Computer Science an Information Technology, IACSIT Press, Singapore, 2011, Vol. 4, pp. 104-109.
5. **Faluvegi, E., Mate, Cs. Z., Cristea, L.,** „*GUI to evaluate the precision of the flanks of the bevel gear*”, Proceedings of International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New Hi-Tech Products Development, Vol. 3, pp. 287-290, 2011.

2012

Faluvegi

6. Kundrák, J., **Faluvegi, E.**, Gyáni, K., Szabó, O., Szűcs, J., Deszpoth, I., „*Gördülőelemes hajtások gyártási technológiájának fejlesztése*”, K+F Eredmények Összefoglalása, UNI-FLEXIS Egyetemi Innovációs Kutató és Fejlesztő Közhasznú Nonprofit Kft., 2012, pp. 43-48.
7. **Faluvegi, E.**, Mate, Cs. Z., Cristea, L., „*Mathematical model of the bevel gears flanks considering the cutting machine type*”, The 4th International Conference on Power Transmission in Sinaia, 2012.
8. Mate, Cs. Z., **Faluvegi, E.**, Cristea, L., „*Mathematical simulation in center of gravity position and effect of weight for a biped robot*”, The 4th International Conference on Power Transmission in Sinaia, 2012.

G. Contracte de cercetare (menționați calitatea de director sau membru)

Dezvoltarea unui motor pneumatic cu piston rotativ: Beneficiar: Institutul Programelor de Cercetare al Fundației Sapientia, nr. de înreg. IPC 59/3/08.11.2012, etapa II: 1 octombrie 2012-30 iulie 2013, membru.

Dezvoltarea unui motor pneumatic cu piston rotativ: Beneficiar: Institutul Programelor de Cercetare al Fundației Sapientia, nr. de înreg. IPC 59/3, etapa III: 2013-2014, membru.

Data,
22.01.2014.

Semnătura,

Faluvegi

NOTĂ:

1. Lista se prezintă în ordine cronologică, între ani se lasă un rând liber la fiecare categorii.
2. Informațiile explicative nu vor figura în documentele depuse de candidat