

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

NUMELE ȘI PRENUMELE: DOMOKOS József

I. LISTA PUBLICAȚIILOR RELEVANTE

1. **József DOMOKOS**, Ovidiu BUZA, Gavril TODEREAN, *Romanian phonetic transcription dictionary for speeding up language technology development*, Language resources and evaluation, Vol. 49, Issue 2, June, 2015, pp. 311-325, Springer, ISSN: 1574-020X (Print), 1574-0218 (online), DOI 10.1007/s10579-013-9262-z, IF: 0.659,
2. **József DOMOKOS**, László Sándor, Ovidiu Buza, Gavril Toderean, *Romanian Language Voice Browsing for Web Applications Using Grapheme Level Acoustic Modeling*, Advanced Engineering Forum, ISSN: 2234-991X, Vol. 8-9/2013, pp. 29 – 36, DOI: 10.4028/www.scientific.net/AEF.8-9.29. (<http://www.scientific.net/AEF.8-9.29>)
Indexing: Thomson (Web of Science, CPCI/ISTP).
3. **József DOMOKOS**, Ovidiu BUZA, Gavril TODEREAN, *100K+ Words, Machine-Readable, Pronunciation Dictionary for the Romanian Language*, Proceedings of the 20th European Signal Processing Conference EUSIPCO 2012, ISSN 2076–1465, pp. 320-324, August 27-31, 2012, Bucharest, Romania.
4. Ovidiu BUZA, Gavril TODEREAN, **József DOMOKOS**, *Automatic Algorithm for Region Segmentation of Speech Signal*, Proceedings of the 4th International Conference on Communications, Mobility, and Computing – CMC 2012, pp.179-182. May 21-23 2012, Guilin, China.
5. Ovidiu BUZA, Gavril TODEREAN, **József DOMOKOS**, *Algorithm for Detection of Voice Signal Periodicity*, Proceedings of the 7th International Conference Speech Technology and Human-Computer Dialogue SpeD 2013, IEEE Catalog Number: CFP1355H-DVD, ISBN: 978-1-4799-1063-2, October 16-19, 2013, Cluj-Napoca, Romania, pp. 35 – 39.
6. **DOMOKOS József**, Adriana STAN, Mircea GIURGIU, *An Approach to Lexical Stress Detection from Transcribed Continuous Speech Using Acoustic Features*, Proceedings of 22nd Telecommunications forum - TELFOR 2014, ISBN 978-1-4799-6190-0, 25-27 November, 2014, Belgrade, Serbia, pp. 525-528.
7. **József DOMOKOS**, Zsolt Attila SZAKÁCS, *Web Application for Romanian Language Phonetic Transcription*, Proceedings of the 6th International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRo 2017), ISSN 2247-0948, DOI 10.1515/macro-2017-0001, pp. 31-37, 27-28 October, 2017, Tîrgu-Mureș, Romania.
8. László Molnár, József Domokos, Isabella Ferando, István Módy, *Establishing sleep stages using Delta, Theta and Gamma oscillations from long term Local Field Potential (LFP) recordings in mice*, Proceedings of the IEEE 18th International Symposium on Computational Intelligence and Informatics, pp. , November 21-22, 2018, Budapest, Hungary.
9. Ferencz Katalin, **József Domokos**, *IoT Sensor Data Acquisition and Storage System Using Raspberry Pi and Apache Cassandra*, Proceedings of the International IEEE Conference AND workshop in Óbuda on Electrical and Power Engineering (IEEE CANDO-EPE 2018), pp. 143-146, November 20-21, 2018, Budapest, Hungary.
10. Ö. Darabont, K. J. Kiss, **J. Domokos**, *Evaluation of Different Thin-Client Based Virtual Classroom Architectures*, Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, ISSN 2066-8910, Vol 8, 2016, pp. 42–61

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Teza de doctorat.

1. *Contribuții la recunoașterea vorbirii continue și la procesarea limbajului natural* (Contributions to continuous speech recognition and natural language processing), susținută public în data de 19 Decembrie 2009, la Universitatea Tehnică din Cluj-Napoca, Facultatea de Electronică, Telecomunicații și Tehnologia Informației.

Calificativul: FB

Conducător de doctorat: Prof.dr.ing. Gavril TODEREAN.

B. Cărți publicate

B1. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

B2. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS/CNCS.

1. Domokos József, Papp Sándor, *Analóg elektronika laboratórium útmutató*, Editura Scientia, Cluj-Napoca, 2009 – în curs de tipărire.
2. **DOMOKOS József**, *Capitole selectate din tehnologia vorbirii*, Editura Risoprint, Cluj-Napoca, 2018, 193 pagini, ISBN: 978-973-53-2285-4.
3. ÁGOSTON Katalin, **DOMOKOS József**, MÁRTON Lőrinc, *Érzékelők és jelátalakítók – Laboratórium útmutató*, îndrumător de laborator, Editura Scientia, Cluj-Napoca, 2007, 96 pagini, ISBN: 978-973-7953-76-6.

B3. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

1. SEBESTYÉN Julianna, **DOMOKOS József**, *Szemelvények a Vályi Gyula Matematikai Társaság 20 éves tevékenységeiből*, Editura Studium, Tîrgu Mureș, 2015, 124 pag.
2. SEBESTYÉN Julianna, **DOMOKOS József**, *Szemelvények a Vályi Gyula matematikai társaság huszonöt éves tevékenységeiből*, Tîrgu Mureș, 2018, 149 pag., ISBN: 978-973-0-27634-3.

B4. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

B5. Capitole de cărți publicate în străinătate

B6. Capitole de cărți publicate în țară

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. Tanase, C., Domokos, E., Coșarcă, S., Miklos, A., Imre, S., **Domokos, J.**, and Dehelean, C. A. (2018). *Study of the ultrasound-assisted extraction of polyphenols from beech (Fagus sylvatica L.) bark*, BioResources, ISSN: 1930-2126, Vol. 13, Issue 2, pp. 2247-2267, IF 1.334 (https://bioresources.cnr.ncsu.edu/wp-content/uploads/2018/02/BioRes_13_2_2247_Tanase_DCMIDD_Study_Ultrasound_Assisted_Extraction_Polyphenols_Beech_Bark_13154.pdf)
2. Erzsébet DOMOKOS, **József DOMOKOS**, *Bird communities of different woody vegetation types from the Niraj valley, Romania*, in Turkish Journal of Zoology, Volume 40, Number 5, 2016, pp. 734-742, DOI: 10.3906/zoo-1510-64, IF: 0.880, (<http://journals.tubitak.gov.tr/zoology/issues/zoo-16-40-5/zoo-40-5-11-1510-64.pdf>)
3. **József DOMOKOS**, Ovidiu BUZA, Gavril TODEREAN, *Romanian phonetic transcription dictionary for speeding up language technology development*, Language resources and evaluation, Vol. 49, Issue 2, June, 2015, pp. 311-325, Springer, ISSN: 1574-020X (Print), 1574-0218 (online), DOI 10.1007/s10579-013-9262-z, IF: 0.659, (<http://link.springer.com/article/10.1007/s10579-013-9262-z>).

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

4. Mircea-Florin VAIDA, **József DOMOKOS**, *Implementation of a Medical Multimedia Database Considering Oracle and J2EE Platform*, Acta Tehnica Napocensis - Electronics and Telecommunications, ISSN: 1221-6542, Volume 45, 1/2004, pp. 55-60.
5. **József DOMOKOS**, Gavril TODEREAN, *Frame by Frame Phoneme Classification using MLP*, Acta Tehnica Napocensis - Electronics and Telecommunications, ISSN: 1221-6542, Volume 48, 4/2007, pp.15-18.

Revista Acta Technica Napocensis - Electronics and Telecommunications este în categoria B+ din partea CNCSIS și este inclusă în următoarele baze de date internaționale: ProQuest CSA's Technology Research Database (TRD), Metadex, Scirus, ArXiv, getCITED, GoogleScholar, JournalSeek, CERN Documents Server (CDS), NEBIS, ICAAP, German National Library of Science and Technology, Computer Science Bibliography, CiteSeer, IndexCernicus, VINITI (Russia), Ulrich's Periodicals Directory.

6. **DOMOKOS József**, GAVRIL Todorean, *Continuous speech phoneme recognition using dynamic artificial neural networks*, Automation, Computers, Applied Mathematics – ACAM, ISSN 1221 – 437X, No. 1, Volume 17/2008, pp. 5-11.

Revista Automation, Computers, Applied Mathematics – ACAM este în categoria B+ din partea CNCSIS și este inclusă în baza de date Mathematical Reviews.

7. BUZA Ovidiu, TODEREAN Gavril, **DOMOKOS József**, BODO Árpád Zsolt, *Construction of a Syllable-Based Text-To-Speech System for Romanian*, Memoriile Secțiilor Stiintifice /

Memoirs Of The Scientific Sections, Publishing House of the Romanian Academy, ISSN 1224-1407, ISBN 978-973-27-1551-2, Series IV, Tome XXXII, 2009.

Revista Memoriile Secțiilor Științifice / Memoirs Of The Scientific Sections este indexată în bazele de date Zentralblatt și Mathematical Reviews.

8. **DOMOKOS József**, TODEREAN Gavril, *Text Conditioning and Statistical Language Modeling Aspects for Romanian Language*, Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, ISSN 2065-5916, Vol. 1/2009, pp.187-197.
9. Attila ASZALOS, **József DOMOKOS**, Tamás VAJDA, Sándor Tihamér BRASSAI, László DÁVID, *Exambrév - Integrated System for Patent Application*, Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, ISSN 2065-5916, Vol. 2/2010, pp. 73-86.

Revista Acta Universitatis Sapientiae, Electrical and Mechanical Engineering este inclusă în Baidu Scholar, CNKI Scholar, CNPIEC, EBSCO Discovery Service, Google Scholar, J-Gate, KESLI-NDSL (Korean National Discovery for Science Leaders), Naviga (Softweco), Primo Central (ExLibris), ReadCube, Summon (Serials Solutions/ProQuest), TDNet, WanFang Data, WorldCat (OCLC).

10. **József DOMOKOS**, Gavril TODEREAN, *Development of a Pronunciation Dictionary for the Romanian Language*, Buletinul Institutului Politehnic din Iași, Secția Electrotehnică, energetică, electronică, ISSN 1223-8139, Tomul LVII (LXI), Fasc. 6, 2011, pp. 51 – 61

Buletinul Institutului Politehnic din Iași, Secția Electrotehnică, energetică, electronică este indexată în Index Copernicus, getCITED, Ulrich's.

11. **József DOMOKOS**, László Sándor, Ovidiu Buza, Gavril Toderean, *Romanian Language Voice Browsing for Web Applications Using Grapheme Level Acoustic Modeling*, Advanced Engineering Forum, ISSN: 2234-991X, Vol. 8-9/2013, pp. 29 – 36, DOI: 10.4028/www.scientific.net/AEF.8-9.29. (<http://www.scientific.net/AEF.8-9.29>)
Indexing: Thomson (Web of Science, CPCI/ISTP).

12. Ö. Darabont, K. J. Kiss, **J. Domokos**, *Evaluation of Different Thin-Client Based Virtual Classroom Architectures*, Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, ISSN 2066-8910, Vol 8, 2016, pp. 42–61
Indexing: Baidu Scholar, CNKI Scholar, CNPIEC, EBSCO Discovery Service, Google Scholar, J-Gate, KESLI-NDSL, Naviga (Softweco), Primo Central (ExLibris), ReadCube, Summon (Serials Solutions/ProQuest), TDNet, WanFang Data, WorldCat (OCLC)

13. Erzsébet Domokos, Beáta Csizmadia, Tímea Elekes, Andrea Krisztina Kárp, **József Domokos**, The Characteristic Medicinal Plants of Different Vegetation Types From The Niraj Valley, Romania, Acta Medica Marisiensis, ISSN: 2068 – 3324, Volume 64, p11-11. 1/2p, 2018.

Revista Acta Medica Marisiensis este indexată în următoarele baze de date: Baidu Scholar, Case, Celdes, Chemical Abstracts Service (CAS) – Caplus, Chemical Abstracts Service (CAS) – SciFinder, CNKI Scholar (China National Knowledge Infrastructure), CNPIEC, DOAJ (Directory of Open Access Journals), EBSCO (relevant databases), EBSCO Discovery Service (since 01 July 2010, first indexed number - no.4/2010), Genamics JournalSeek, Google Scholar, J-Gate, JournalTOCs, KESLI-NDSL (Korean National Discovery for Science Leaders), Meta (formerly Sciencescape), Naviga (Softweco), Primo Central (ExLibris), Publons, ReadCube, ResearchGate, Sherpa/RoMEO, Summon (Serials Solutions/ProQuest), TDNet, Ulrich's Periodicals Directory/ulrichsweb, WanFang Data, WorldCat (OCLC)

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

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

C5. Lucrări științifice publicate în reviste, altele decât cele menționate anterior

C6. Lucrări științifice publicate în volumele manifestărilor științifice

14. VAIDA Mircea-Florin, **DOMOKOS József**, *Oracle 9i in managing medical images and multimedia content*, International workshop on trends and recent achievements in information technology, ISBN: 973-8335-49-3, pp. 144-151, 16 - 18 May 2002, Cluj-Napoca, România.
15. **DOMOKOS József**, Gavril TODEREAN, *Frame-by-frame phoneme classification using MLP*, Inter-ing Scientific Conference with International Participation, ISSN 1843 – 780X, pp. VI-1-1 - VI-1-6, 15 - 16 November 2007, Tîrgu Mureș, România.
16. BUZA Ovidiu, TODEREAN Gavril Ioan, **DOMOKOS József**, BODO Árpád Zsolt, *Voice Synthesis Application based on Syllable Concatenation*, IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR-Theta), pp. 473-478, May 22-25, 2008, Cluj-Napoca, România.
17. **DOMOKOS József**, TODEREAN Gavril, BUZA Ovidiu, *Statistical Language modeling on Susanne corpus*, Proceedings of the 7th International Conference COMMUNICATIONS 2008, ISBN: 978-606-521-008-0, pp. 69-72, June 5-7, 2008, București, România.
18. **DOMOKOS József**, TODEREAN Gavril, *Continuous speech phoneme recognition using dynamic neural networks*, Proceedings of the 12th International Conference on Applied Mathematics and Computer Science, pp. 14-15, September 10-13, 2008, Băișoara, România.
19. **DOMOKOS József**, TODEREAN Gavril, *Text conditioning and statistical language modeling aspects for Romanian language*, 1st International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRo2009), March 20-21, 2009, Tîrgu Mureș, România.
20. **DOMOKOS József**, VAJDA Tamás, BRASSAI Sándor Tihamér, DÁVID László, *Integrated system for patent application examination (EXAMBREV)*, Proceedings of the 17th International Conference on Control Systems and Computer Science (CSCS 17), ISSN: 2066-4451, pp.135-140, 26-29 May, 2009, București, România.

21. **DOMOKOS József**, TODEREAN Gavril, BUZA Ovidiu, *Text conditioning and statistical language modeling for Romanian language*, From speech processing to spoken language technology - Proceedings of the 5th Conference Speech Technology and Human-Computer-Dialogue (SpeD 2009), ISBN: 987-973-27-1808-7, pp. 161-168, June 18-21, 2009, Constanța, România.
22. BUZA Ovidiu, TODEREAN Gavril, **DOMOKOS József**, *Building a Text to Speech System for Romanian through Concatenation*, presented as poster at the 5th Conference Speech Technology and Human-Computer-Dialogue (SpeD 2009), June 18-21, 2009, Constanța, România.
23. **DOMOKOS József**, VAJDA Tamás, BRASSAI Sándor Tihamér, DÁVID László, ASZALOS Attila, *EXAMBREV - Találmányok elbírálását automatikusan megvalósító integrált informatikai rendszer*, Kolozsvári Akadémiai Bizottság, Automatizálás és Számítástechnika szakbizottságának a Konferenciája (KAB 2009), October 30, 2009, Tîrgu Mureș, România.
24. VAJDA Tamás, **DOMOKOS József**, BRASSAI Sándor Tihamér, DÁVID László, ASZALOS ATTILA, *Developement of EXAMBREV Integrated System for Patent Application*, Proceedings of the 4th edition of The INTER-ENG International Conference (INTER-ENG 2009), ISSN 1843-780X, pp. 309-314, 12-13 November, 2009, Tîrgu Mureș, România.
25. ASZALOS Attila, **DOMOKOS József**, VAJDA Tamás, BRASSAI Sándor Tihamér, DÁVID László, *EXAMBREV Integrated System for Patent Application Overview*, MACRo2010. Proceedings of the 2nd International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRo2010), Editura Scientia, 2010, ISBN: 978-973-1970-39-4, pp. 55-62, 14-15 May, 2010, Tîrgu Mureș, România.
26. BUZA, Ovidiu, TODEREAN Gavril, **DOMOKOS József**, *A rule-based approach to build a text-to-speech system for Romanian*, Proceedings of the 8th International Conference on Communications (COMM 2010), ISBN: 978-1-4244-6360-2, pp. 83-86, 10-12 June, 2010, București, România.
27. Ovidiu BUZA, Gavril TODEREAN, **József DOMOKOS**, Árpád Zsolt BODÓ, *Applied Method for Region and Phonetic Segmentation of Voice Signal*, Advances in Intelligent Systems and Technologies, Proceedings ECIT2010 – 6th European Conference on Intelligent Systems and Technologies, Iasi, Romania, October 07-09, 2010.
28. **DOMOKOS József**, *Romanian language Grapheme-to-Phoneme conversion system*, MACRo2011. Proceedings of the 3rd International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRo2011), Editura Scientia, 2011, ISSN: 2247 – 0948, pp. 319-323, 8-9 April, 2011, Tîrgu Mureș, România.
29. **József DOMOKOS**, Ovidiu BUZA, Gavril TODEREAN, *Automated Grapheme-to-Phoneme Conversion System for Romanian*, Proceedings of the 6th Conference on Speech Technology and Human-Computer-Dialogue (SpeD 2011), ISBN: 978-1-4577-0441-3, pp. 105 - 110, May 18-21, Brașov, România.
30. **DOMOKOS József**, *Development of a Romanian Language Spontaneous Speech Database and Pronunciation Dictionary*, XXIth International Conference on Computers and Education, 6-9 October, 2011, Cluj-Napoca, România.
31. Ovidiu BUZA, Gavril TODEREAN, **József DOMOKOS**, *Automatic Algorithm for Region Segmentation of Speech Signal*, Proceedings of the 4th International Conference on

- Communications, Mobility, and Computing – CMC 2012, pp.179-182. May 21-23 2012, Guilin, China.
32. **József DOMOKOS**, Ovidiu BUZA, Gavril TODEREAN, *100K+ Words, Machine-Readable, Pronunciation Dictionary for the Romanian Language*, Proceedings of the 20th European Signal Processing Conference EUSIPCO 2012, ISSN 2076-1465, pp. 320-324, August 27-31, 2012, Bucharest, Romania.
 33. **József DOMOKOS**, *Phonetic Transcription Dictionary for Romanian Language Speech Technology Application Development*, Proceedings of the XXIInd International Conference on Computers and Education, ISSN 1842-4546, 11-14 October, 2012, Alba Iulia, Romania.
 34. László MOLNÁR, **József DOMOKOS**, Zoltán KOVÁCS, *Selective Telecom Content Delivery According to User's Personality Traits*, Proceedings of the 7th International Conference Interdisciplinarity in Engineering (INTER-ENG 2013), 10 - 11 October 2013, "Petru Maior" University of Tîrgu Mureş, Romania. Published in Elsevier's Procedia Technology Journal (ISSN: 2212-0173), Volume 12, 2014, pp. 196-203.
 35. László MOLNÁR, **József DOMOKOS**, Zoltán KOVÁCS, *Internet usage characterization based on ranked keywords*, Proceedings of the XXIIIrd International Conference on Computers and Education, ISSN 1842-4546, 10-13 October, 2013, Sibiu, Romania.
 36. Ovidiu BUZA, Gavril TODEREAN, **József DOMOKOS**, *Algorithm for Detection of Voice Signal Periodicity*, Proceedings of the 7th International Conference Speech Technology and Human-Computer Dialogue SpeD 2013, IEEE Catalog Number: CFP1355H-DVD, ISBN: 978-1-4799-1063-2, October 16-19, 2013, Cluj-Napoca, Romania, pp. 35 – 39.
 37. DARABONT Örs, KISS Konrád József, **DOMOKOS József**, *Cost effective computer infrastructure*, Proceedings of the XXIVnd International Conference on Computers and Education, ISSN 1842-4546, 9-12 October, 2014, Odorheiu Secuiesc, Romania, pp. 144-147.
 38. **DOMOKOS József**, Adriana STAN, Mircea GIURGIU, *An Approach to Lexical Stress Detection from Transcribed Continuous Speech Using Acoustic Features*, Proceedings of 22nd Telecommunications forum - TELFOR 2014, ISBN 978-1-4799-6190-0, 25-27 November, 2014, Belgrade, Serbia, pp. 525-528.
 39. **József DOMOKOS**, Konrád József KISS, Örs DARABONT, *Economic and technological analysis of the development of a virtual machine room*, Annual Scientific Conference of the Hungarian National Coordinating Center for Infocommunications (ASCONIKK 2014), Veszprém, Hungary, 14-17 Decemeber, 2014.
 40. Örs DARABONT, Konrád József KISS, **József DOMOKOS**, *Performance Analysis of Remote Desktop Virtualization based on Hyper-V versus Remote Desktop Services*, Proceedings of the 5th International Conference on Recent Acievements in Mechatronics, Automation, Computer Science and Robotics (MACRo 2015), ISSN 2247-0948, pp. 125-135, 6-7 March, 2015, Tîrgu-Mureş, Romania.
 41. MOLNÁR László, MARTON Zoltán, **DOMOKOS József**, *Ranked keywords extraction from the visited Internet pages*, Proceedings of the XXVth International Conference on Computers and Education, ISSN 1842-4546, 8-11 October, 2015, Arad, Romania, pp. 271-276.
 42. Gavril TODEREAN, Ovidiu BUZA, **József DOMOKOS**, *Achievements in the field of voice synthesis for Romanian*, Proceedings of the 8th International Conference on Speech Technology and Human-Computer Dialogue (SpeD), ISBN 978-1-4673-7560-3, October 2015, pp. 1-7.

43. László MOLNÁR, **József DOMOKOS**, Isabella FERANDO, István MODY, *Objective detection criteria and analyses of theta (θ) and gamma (γ) oscillations and their phase-amplitude coupling (PAC) during long-term continuous intrahippocampal LFP recordings in mice*, presented as poster at SfN's 46th annual meeting, Neuroscience 2016, November 12-16, San Diego.
44. **József Domokos**, Zsolt Attila Szakács, *Romanian Language Phonetic Transcription WEB Service*, presented as poster at Proceedings of the 9th International Conference on Speech Technology and Human-Computer Dialogue (SpeD), 6-9 July, 2017, Bucharest.
45. László MOLNÁR, **József DOMOKOS**, Isabella FERANDO, István MODY, *Objektív módszer theta (θ) és gamma (γ) eger agyhullámok detektálására, hosszú időtartamú LFP elvezetések esetében*, presented at XXVIIth International Conference on Computer Science (SzámOkt), 12-15 October, 2017, Oradea, Romania.
46. László MOLNÁR, **József DOMOKOS**, Isabella FERANDO, István MÓDY, *Bimodal RMS distributions for the objective detection of theta (θ) and gamma (γ) brain oscillations during long-term continuous LFP recordings in mice*, Proceedings of the 6th International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRo 2017), ISSN 2247-0948, DOI 10.1515/macro-2017-0004, pp. 31-37, 27-28 October, 2017, Tîrgu-Mureş, Romania.
47. **József DOMOKOS**, Zsolt Attila SZAKÁCS, *Web Application for Romanian Language Phonetic Transcription*, Proceedings of the 6th International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRo 2017), ISSN 2247-0948, DOI 10.1515/macro-2017-0001, pp. 31-37, 27-28 October, 2017, Tîrgu-Mureş, Romania.
48. Ferencz Katalin, **József Domokos**, *IoT Sensor Data Acquisition and Storage System Using Raspberry Pi and Apache Cassandra*, Proceedings of the International IEEE Conference AND workshop in Óbuda on Electrical and Power Engineering (IEEE CANDO-EPE 2018), pp. 143-146, November 20-21, 2018, Budapest, Hungary.
49. László Molnár, József Domokos, Isabella Ferando, István Mody, *Establishing sleep stages using Delta, Theta and Gamma oscillations from long term Local Field Potential (LFP) recordings in mice*, Proceedings of the IEEE 18th International Symposium on Computational Intelligence and Informatics, pp. , November 21-22, 2018, Budapest, Hungary.

D. Traduceri de cărți, capitole de cărți, alte lucrări științifice

E. Editare, coordonare de volume

1. **József DOMOKOS** și colectiv, *MACRo2010. Proceedings of the 2nd International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics*, Editura Scientia, Cluj-Napoca, 2010, 260 pag., ISBN: 978-973-1970-39-4.
2. **József DOMOKOS**, László BAKÓ, László SZILÁGYI, Zoltán FORGÓ, *MACRo2011. Proceedings of the 3rd International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics*, Editura Scientia, Cluj-Napoca, 2011, 370 pag., ISSN: 2247 – 0948.
3. **József DOMOKOS**, Zoltán FORGÓ, László BAKÓ, *MACRo2013. Proceedings of the 4th International Conference on Recent Achievements in Mechatronics, Automation, Computer*

Science and Robotics, Editura Scientia, Cluj-Napoca, 2013, 271 pag., ISSN: 2247 – 0948, ISSN-L: 2247 – 0948.

4. **József DOMOKOS**, László SZILÁGYI, Zoltán FORGÓ, Lőrinc Márton, *MACRo2015. Proceedings of the 5th International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics*, Editura Scientia, Cluj-Napoca, 2015, 326 pag., ISSN-L: 2247 – 0948, <http://www.degruyter.com/view/j/macro>.
5. **József DOMOKOS**, László SZILÁGYI, Zoltán FORGÓ, Lőrinc Márton, László Molnár, *MACRo2017. Proceedings of the 6th International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics*, Editura Scientia, Cluj-Napoca, 2017, 177 pag., ISSN-L: 2247 – 0948, <http://www.degruyter.com/view/j/macro>.

F. Brevete de invenții și alte titluri de proprietate

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

Nr. crt.	Denumirea Temei	Beneficiar	Perioada	Calitate
1.	<i>Integrarea imagisticii medicale în societatea informațională</i>	CNCSIS A15/1055	2003 - 2004	Membru echipă
2.	<i>Hibátúró beszédfelismerési módszerek kidolgozása és gyakorlati megvalósítása (Dezvoltarea și implementarea unor metode tolerante la erori pentru recunoașterea vorbirii)</i>	Institutul Programelor de Cercetare al Fundației Sapientia	2005 - 2006	Membru echipă
3.	<i>Contribuții la recunoașterea robustă a vorbirii continue</i>	Institutul Programelor de Cercetare al Fundației Sapientia	2006 - 2007	Director proiect
4.	<i>Sistem informatic integrat, bazat pe inteligență artificială, pentru examinarea cererilor de brevet de invenție – EXAMBREV</i>	CNCSIS, PN II, PROGRAMUL 4 - “Parteneriate în domeniile prioritare” Nr. Proiect: 2859	2007 – 2010	Membru echipă
5.	<i>Nyelvi modellezés (Modelare lingvistică)</i>	Fundația EUROTRANS	2008	Director proiect
6.	<i>Internetes forrásokból begyűjtött szövegtörzsek feldolgozása és morfológiai elemzése automatikus módszerekkel (Preprocesarea și analiza morfolologică automată a corpusurilor de texte colectate de pe Internet)</i>	Fundația EUROTRANS	2009	Director proiect
7.	<i>Sistem de navigare vocală pentru limba română</i>	Proiect de cercetare postdoctorală, 4D POSTDOC, Universitatea Tehnică din Cluj-Napoca	2010-2013	Director proiect
8.	<i>Preparation and Transcription of Romanian Language Broadcast Speech Database</i>	AITIA International Inc. Budapest, Hungary, HU 13447393	2011-2013	Manager de proiect

9.	<i>Simple4All</i>	FP7, grant agreement no 287678	2013-2014	Expert procesare semnale
10.	<i>Virtuális gépterem kialakításának gazdasági és technológiai elemzése (Analiza tehnică și economică a realizării unui laborator didactic folosind virtualizarea resurselor de calcul)</i>	TÁMOP-4.2.2.C-11/1/KONV-2012-0004	2014-2015	Director de proiect
11.	<i>Preparation of Igor (Wawemetrics) Programs and Routines for Analysis of Local Field Potentials recorded in the Rodent Brain</i>	University of Bonn NeuroCenter, Life and Brain Institute,	2016-2017	Director de proiect

H. Creația artistică

H1 Participări la manifestații artistice internaționale

H2. Participări la manifestații artistice naționale

H3. Expoziții, filme, spectacole, concerte, discuri de autor, opere internaționale

H4. Expoziții, filme, spectacole, concerte, discuri de autor, opere naționale

H5. Produse cu drept de proprietate intelectuală în domeniul artistic

III. RECUNOAȘTEREA

I. Premii, distincții.

Martie 2012 – bursa fundației Bolyai pentru dezvoltarea carierei cadrelor didactice tinere.

Ianuarie – 2013 – bursa fundației Ballasi și a Ministerului Ungar al Resurselor Umane pentru sprijinul cadrelor didactice tinere.

Ianuarie – 2014 – bursa fundației Ballasi și a Ministerului Ungar al Resurselor Umane pentru sprijinul cadrelor didactice tinere.

Ianuarie – 2015 – bursa fundației Ballasi și a Ministerului Ungar al Resurselor Umane pentru sprijinul cadrelor didactice tinere.

J. Citări

la A1

1. Cristina Sorina Petrea, Andi Buzo, Horia Cucu, Miruna Pașca, Corneliu Burileanu, *Speech Recognition Experimental Results for Romanian Language*, Proceedings of 6th European Conference on Intelligent Systems and Technologies, ECIT 2010 – Advances in Intelligent Systems and Technologies, Iasi, Romania, October 7-9, 2010.
2. Andi Buzo, *Recunoașterea Limbajului Vorbit în Rețele de Telecomunicații Mobile*, teză de doctorat, UPB, 2011.
3. A. Caranica, *Optimizări în recunoașterea limbajului vorbit*, Teză de doctorat, UPB, 2018
4. Horia Cucu, Andi Buzo, Laurent Besacier, Corneliu Burileanu, *SMT-based ASR domain adaptation methods for under-resourced languages: Application to Romanian*, Speech Communication vol. 56, 2014, pp. 195–212. IF 1.548
5. Ardelean, Florin, *The importance of voice activity detectors in speaker verification using neural networks*, Romanian Journal of Forensic Science, Oct2014, Vol. 15 Issue 5, pp. 749-751.

La C1.2

6. Olena Blinkova, Tetyana Shupova, Bird Communities and Vegetation Composition in the Urban Forest Ecosystem: Correlations and Comparisons of Diversity Indices in Ekológia

(Bratislava), The Journal of Institute of Landscape Ecology of Slovak Academy of Sciences, 2017

7. Olena Blinkova, Tetyana Shupova, Bird communities and vegetation composition in natural and semi-natural forests of megalopolis: correlations and comparisons of diversity indices (Kyiv city, Ukraine), *Ekológia* (Bratislava), Volume/Issue: Volume 37: Issue 3
8. Dorota Zawadzka, Stanisław Drozdowski, Grzegorz Zawadzki, Jerzy Zawadzki, Artur Mikitiuk, Importance of Old Forest Stands for Diversity of Birds in Managed Pine Forests – A Case Study from Augustów Forest (NE Poland), *Polish J. of Ecology*, 66(2):162-182 (2018)

La C1.3

9. Thennarasu, S., Tamil Pronouncing Dictionary: A promising trend in Language Technology Development.
10. Ștefan - Stelian Diaconescu, Monica - Mihaela Rizea, Felicia - Carmen Codîrleșu, Mihaela Ionescu, Monica Rădulescu, Andrei Mincă, Ștefan Fulea, Methods for Automatic Generation of GRAALAN-based Phonetic Databases, Published in (8th) International Conference on Speech Technology and Human-Computer Dialogue (SpeD), 2015.
11. Alin Anton, Romanian Biometric Word List for Public Key Fingerprint Validation, 2018 IEEE 12th International Symposium on Applied Computational Intelligence and Informatics (SACI)
12. Ștefan - Stelian Diaconescu, Monica - Mihaela Rizea, Mihaela Ionescu, Andrei Mincă, Monica Rădulescu, A Rule-based Approach to Generating Large Phonetic Databases for Romanian. Results of the AFLR Project, 2017 International Conference on Speech Technology and Human-Computer Dialogue (SpeD)

La C2.6

13. Gopal Suresh, Chellapa Vijayalakshmi, A Probabilistic Smoothing Approach for Language Models Applied to Protein Sequence Data, *Biometrics and bioinformatics*, Vol 3, No 7, 2011.

La C2.8

14. KRAYEM, A.G., 2013. A high level approach to Arabic sentence recognition. PhD Thesis, Nottingham Trent University

la C6.14:

15. Rudowskyi, I.; Kulyba, O.; Kunin, M.; Ogarodnikov, D.; Raphan, T., *Relational database linkage of scientific applications and their data files*, Proceedings of the 2003 IEEE International Workshop on Soft Computing in Industrial Applications, Issue Date: 23-25 June 2003, pp: 55 – 59, ISBN:0-7803-7855-5.
16. Rudowskyi, I.; Kulyba, O.; Kunin, M.; Ogarodnikov, D.; Raphan, T., *A relational database application in support of integrated neuroscience research*, Journal of Integrative Neuroscience (JIN), Volume: 3, Issue: 4 (2004), pp. 363-378.
17. Ligia Chiorean, Mircea-Florin Vaida, Iulian Bența, *Using a multimedia database for tele-diagnosis and alternative tele-education methods*, 1st International Conference on Advancements of Medicine and Health Care through Technology, MediTech2007, 27-29th September 2007, Cluj-Napoca, Romania.

la C6.17:

18. Marieta Gâta, *Developement of applications based on speaker and speech recognition*, PhD thesis, 2010.

la C6.19:

19. Marieta Gâta, *Developement of applications based on speaker and speech recognition*, PhD thesis, 2010.

la C6.21:

20. Tarjan, B., Mozsolics, T., Balog, A., Halmos, D., Fegyo, T., Mihajlik, P., *Broadcast news transcription in Central-East European languages*, Proceedings of the 3rd IEEE International Conference on Cognitive Infocommunications (CogInfoCom), E/ISBN 978-1-4673-5186-7, Print ISBN 978-1-4673-5187-4, Kosice, Slovakia, 2-5 Dec. 2012, pp. 59 – 64, Digital Object Identifier :10.1109/CogInfoCom.2012.6421940
21. Marieta Gâta, *Developement of applications based on speaker and speech recognition*, PhD thesis, 2010.

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22. Marieta Gâta, *Developement of applications based on speaker and speech recognition*, PhD thesis, 2010.
23. Negrescu, C., Ciobanu, A., Ilie, M.D., *Specific acoustic unit processing in concatenative Romanian speech synthesis used for talking agents*, Proceedings of the 7th Conference Speech Technology and Human - Computer Dialogue (SpeD), 2013, pp. 1-8.
24. Boldizar R.A., Ordean M., Giurgea C. (2018) Designing, Implementing and Testing the Acoustic Component of a Text to Speech System for the Romanian Language. In: Silaghi G., Buchmann R., Boja C. (eds) Informatics in Economy. IE 2016. Lecture Notes in Business Information Processing, vol 273. Springer, 2017.

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25. Chomtip Pornpanomchai, Nichakant Soontharanont, Charnchai Langla, Narunat Wongsawat, *A Dictionary-Based Approach for Thai Text to Speech (TTTS)*, Proceedings of the third International Conference on Measuring Technology and Mechatronics Automation, vol. 1, pp. 40-43, ISBN: 978-0-7695-4296-6, January 6- 7, 2011, Shangshai, China.
26. Rajeswari K.C., Uma Maheswari P., *Prosody Modeling Techniques for Text-to-Speech Synthesis Systems - A Survey*, International Journal of Computer Applications (0975 – 8887) Volume 39– No.16, February 2012.
27. Chandrika M., Shreekanth T., *Duration Modeling Techniques for Indian Language TTS System: A Review*, International Journal of Latest Trends in Engineering and Technology (IJLTET), Vol. 3 Issue 3 January, pp. 17-21, 2014.
28. Sneha Lukose ; Savitha S. Upadhy, *Text to speech synthesizer-formant synthesis*, 2017 International Conference on Nascent Technologies in Engineering (ICNTE)
29. Ștefan - Stelian Diaconescu, Monica - Mihaela Rizea, Mihaela Ionescu, Andrei Mincă, Liviu Dorobanțu, Ștefan Fulea, Monica Rădulescu, Horia Cucu, Dragoș Burileanu, *Building a representative audio base of syllables for Romanian language*, 2017 International Conference on Speech Technology and Human-Computer Dialogue (SpeD)

la C6.29:

30. Horia Cucu, Andi Buzo, Laurent Besacier, Corneliu Burileanu, *SMT-based ASR domain adaptation methods for under-resourced languages: Application to Romanian*, Speech Communication vol. 56, 2014, pp. 195–212.
31. Brigitte Bigi, Daniel Hirst, *A phonetization approach for the forced-alignment task.*, 3rd Less-Resourced Languages workshop, 6th Language & Technology Conference, Poznan (Poland), 2012.
32. Bigi B. (2016) *A Phonetization Approach for the Forced-Alignment Task in SPPAS*. In: Vetulani Z., Uszkoreit H., Kubis M. (eds) Human Language Technology. Challenges for Computer Science and Linguistics. LTC 2013. Lecture Notes in Computer Science, vol 9561. Springer, Cham, https://link.springer.com/chapter/10.1007/978-3-319-43808-5_30
33. Horia Cucu, Teză de doctorat, UPB, 2013
34. Ștefan - Stelian Diaconescu, Monica - Mihaela Rizea, Felicia - Carmen Codîrlaşu, Mihaela Ionescu, Monica Rădulescu, Andrei Mincă, Ștefan Fulea, *Methods for Automatic Generation of GRAALAN-based Phonetic Databases*, Published in (8th)

International Conference on Speech Technology and Human-Computer Dialogue (SpeD), 2015.

35. Thennarasu, S., Tamil Pronouncing Dictionary: A promising trend in Language Technology Development, Department of Linguistics, Central University of Kerala

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36. Toma S.-A., Birsan T., Totir, F., Oancea E., On letter to sound conversion for Romanian: A comparison of five algorithms, 7th Conference on Speech Technology and Human - Computer Dialogue (SpeD), Cluj-Napoca, 16-19 Oct. 2013, pp. 1 – 6
37. Aunkaew, S., Karnjanadecha, M.; Wutiwiwatchai, C., Constructing a phonetic transcribed text corpus for Southern Thai dialect Speech Recognition, 12th International Joint Conference on Computer Science and Software Engineering (JCSSE), 2015, pp. 69-73, doi: 10.1109/JCSSE.2015.7219772
38. Ștefan - Stelian Diaconescu, Monica - Mihaela Rizea, Felicia - Carmen Codîrlășu, Mihaela Ionescu, Monica Rădulescu, Andrei Mincă, Ștefan Fulea, Methods for Automatic Generation of GRAALAN-based Phonetic Databases, Published in (8th) International Conference on Speech Technology and Human-Computer Dialogue (SpeD), 2015.
39. Ștefan-Adrian Toma, Adriana Stan, Mihai-Lica Pura, Traian Barsan, "MaRePhoR - An Open Access Machine-Readable Phonetic Dictionary for Romanian", In Proceedings of the 9th Conference on Speech Technology and Human-Computer Dialogue (SpeD), Bucharest, Romania, 2017.
40. Adriana Stan, Mircea Giurgiu, "A Comparison Between Traditional Machine Learning Approaches And Deep Neural Networks For Text Processing In Romanian", In Proceedings of the 13th International Conference on Linguistic Resources and Tools for Processing Romanian Language

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41. Bansal, Minakshi, Automation of Pitch Accent Markings in Punjabi Speech, Computer Science and Engineering Department, Thapar University, Patiala – 147004, July 2015

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42. Péter Nagy, Géza Németh, Improving HMM speech synthesis of interrogative sentences by pitch track transformations, Speech Communication, Volume 82, September 2016, Pages 97–112

La C6.40

43. Pengxue Liua, Jianxiong Lib, Chunkai Chen, Research and Construction of Antenna Simulation Cloud Computing Platform Based on OpenStack, International Conference on Information Engineering and Communications Technology (IECT 2016), ISBN: 978-1-60595-375-5, DOI 10.12783/dtetr/iect2016/3759

La C6.42

44. Pavol Partila; Jaromir Tovarek; Miroslav Voznak, Self-organizing map classifier for stressed speech recognition, Proc. SPIE9850, Machine Intelligence and Bio-inspired Computation: Theory and Applications, May 2016, doi:10.1117/12.2224253
45. Ștefan - Stelian Diaconescu, Monica - Mihaela Rizea, Mihaela Ionescu, Andrei Mincă, Liviu Dorobanțu, Ștefan Fulea, Monica Rădulescu, Horia Cucu, Dragoș Burileanu, Building a representative audio base of syllables for Romanian language, 2017 International Conference on Speech Technology and Human-Computer Dialogue (SpeD)

K. Alte realizări semnificative.

Iunie 2007 - stagiu de pregătire în domeniul tehnologiei de vid, Gesellschaft für Schwerionenforschung mbH (GSI), Ultra High Vacuum Department.

Iunie – August 2008 - stagiul de pregătire în domeniul acceleratoarelor liniare de particule, Tokyo Institute of Technology, Research Laboratory for Nuclear Engineering.

15 - 16 Septembrie 2008 – participare la Xilinx Professor Workshop – Embedded Design Kit, Universitatea Tehnică din Cluj-Napoca.

10 – 15 Aprilie 2011, participare la seminarul „Technological Development in a Sustainable Economy” organizat la Universitatea Tehnică “Gheorghe Asachi” din Iași.

18 – 23 Martie 2012, participare la seminarul „Research challenges for sustainable development”, organizat la Universitatea “Politehnica” din Timișoara.

Participare la conferința HTE-InfoKomm 2012, Mátraháza, Ungaria,

25.02 - 01.03.2013, participare la Conferința INTERIN 2013 “Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development”, organizat de Universitatea Tehnică din Cluj-Napoca.

Transfer tehnologic: NaviRO Romanian language pronunciation dictionary, către SAMSUNG Electronics Polska Sp z.o.o, conform Contract nr. 18370/28.07.2013.

4-5.12.2014, participare la Danube Innovation Summit, organizat de ICT Lab, Universitatea Tehnică și Economică din Budapesta.

Data,
15.01.2019

Semnătura,
Ș.l., dr. ing. DOMOKOS József