

LISTA PUBLICAȚIILOR

Dr. Ing. Țepelea Laviniu

A – Teza de doctorat

LavinIU Țepelea, *Noi metode pentru deplasarea asistată în medii cu obstacole a persoanelor cu deficiențe de vedere*, Editura Politehnica, ISBN: 978-606-554-882-4, 162 pagini, 2014

B – Carti si capitole in carti

1. **LavinIU Țepelea**, *Noi metode pentru deplasarea asistată în medii cu obstacole a persoanelor cu deficiențe de vedere*, Editura Politehnica, ISBN: 978-606-554-882-4, 162 pagini, 2014
2. O. Neamțu, **L. Țepelea**, *Circuite Integrate Numerice – laborator*, 52 pag., 2009, format electronic
3. I. Gavriluț, **L. Țepelea**, *Utilizarea calculatoarelor*, Ed. Univ. din Oradea, ISBN: 978-973-759-342-9, 146 pag., 2007
4. **L. Țepelea**, A. Gacsádi, *Sisteme de achiziție a datelor – îndrumător de laborator*, 72 pag., 2007, format electronic
5. I. Gavriluț, **L. Țepelea**, *Utilizarea calculatoarelor – îndrumător de laborator*, Ed. Univ. din Oradea, ISBN (10)973-759-053-8, 77 pag., 2006

C – Lucrari indexate ISI/BDI

1. I. Gavriluț, **L. Țepelea**, A. Gacsádi, *Path Planning based on Intermediate Targets using Cellular Neural Networks*, 13th International Conference on Engineering of Modern Electric Systems (EMES), ISBN: 978-1-4799-7649-2, pp. 269-272, Oradea 2015 (*ISI Web of Science*)
2. **L. Țepelea**, V. Tiponuț, P. Szolgay, Al. Gacsádi, *Multicore Portable System for Assisting Visually Impaired People*, 14th International Workshop on Cellular Nanoscale Networks and their Applications, University of Notre Dame, USA, July 29-31, 2014 (*ISI Web of Science*)
3. **L. Țepelea**, I. Gavriluț, V. Tiponuț, P. Szolgay, Al. Gacsádi, *OCR application on smartphone for visually impaired people*, Journal of Electrical and Electronics Engineering, Vol. 7, Issue 1, pp. 153-156, Oradea, 2014
4. Z. Kincses, Zs. Vörösházi, Z. Nagy, P. Szolgay, **T. Laviniu**, A. Gacsádi, *Investigation of area and speed trade-offs in FPGA implementation of an image correlation algorithm*, Proc. Intern. Workshop on Cellular Nanoscale Networks and their Applications, Turin, Italy, 2012 (*ISI Web of Science*)
5. **L. Țepelea**, A. Gacsádi, I. Gavriluț, V. Tiponuț, *A CNN Based Correlation Algorithm to Assist Visually Impaired Persons*, IEEE Proceedings of the International Symposium on Signals Circuits and Systems (ISSCS 2011), pp.169-172, June 30 2011-July 1 2011, Iasi, Romania, ISBN 978-1-4577-0201-3, Digital Object Identifier: 10.1109/ISSCS.2011.5978686, 2011 (*ISI Web of Science*)

6. **L. Țepelea**, I. Gavriluț, A. Gacsádi, *A CNN Based Algorithm for Medical Images Correlation*, Journal of Computer Science and Control Systems, Vol. 4, Nr. 2, 2011, University of Oradea Publisher, pp.69-72, ISSN 1844-6043, 2011
7. A. Gacsádi, **L. Țepelea**, I. Gavriluț, O. Straciuc, *Energy Based Medical Imaging Segmentation Methods by using Cellular Neural Networks*, Proceedings of the WSEAS International Conference on Systems, Recent Researches in System Science, pp.109-195, Corfu Island, Greece, 2011
8. I. Gavriluț, **L. Țepelea**, A. Gacsádi, *A CNN Based Nonlinear Wave Metric for CT Images*, Journal of Electrical and Electronics Engineering, Vol.4, No.2, 2011, University of Oradea Publisher, pp.29-32, ISSN 1844-6035, 2011
9. I. Gavriluț, **L. Țepelea**, A. Gacsádi, *CNN Processing Techniques for Image-Based Path Planning of a Mobile Robot*, Proceedings of the WSEAS International Conference on Systems, Recent Researches in System Science, ISSN: 1792-4235, ISBN: 978-1-61804-023-7, pp.259-263, July 14-16, Corfu Island, Greece, 2011
10. **L. Țepelea**, I. Gavriluț, O. Neamțu, E. Gergely and A. Gacsádi, *A LabVIEW-Based Soundcard Interface for E-Laboratory*, Journal International Review of Applied Sciences and Engineering, pp.45-50, Vol. 2, No. 2, Dec. 2011 Publisher Akadémiai Kiadó ISSN 2062-0810, DOI, 10.1556/IRASE.2.2011.2.10, Debrecen 2011
11. **L. Țepelea**, I. Gavriluț, A. Gacsádi, V. Tiponuț, *Image-Based Motion Planning for Two Mobile Robots in an Environment with Obstacles by Using Cellular Neural Networks*, 16th „Building Services, Mechanical and Building Industry Days”, International Conference, ISBN 978-963.473-315-7, pp.289-496, 14-15 October, Debrecen, Hungary, 2010
12. **L. Țepelea**, V. Tiponuț I. Gavriluț, *Applications of Cellular Neural Networks in Trajectory Planning*, Journal of Electrical and Electronics Engineering, Vol.3, No.2, University of Oradea Publisher, pp.223-226, ISSN 1844-6035, Oradea, 2010
13. **L. Țepelea**, I. Gavriluț, A. Gacsádi, *Edge Based CNN Image Segmentation Methods for Medical Imaging*, Journal of Computer Science and Control Systems, Vol. 3, Nr. 2, 2010, University of Oradea Publisher, pp.95-98, ISSN 1844-6043, 2010
14. **L. Țepelea**, R.Reiz, I. Gavriluț, A. Gacsádi, *A CNN Computing Algorithm for Image Correlation*, Journal of Electrical and Electronics Engineering, Vol.3, No.2, 2010, University of Oradea Publisher, pp.217-220, ISSN 1844-6035, 2010
15. Gavriluț, A. Gacsádi, C. Grava, O. Straciuc, **L. Țepelea**, *Analysis methods of noise extraction from CT images*, Journal of Electrical and Electronics Engineering, Vol.2, No.2, pp.146-149, 2009, University of Oradea Publisher, ISSN 1844-6035
16. I. Gavriluț, V. Tiponuț, A. Gacsádi, **L. Țepelea**, *Wall-following Method for an Autonomous Mobile Robot using Two IR Sensors*, New Aspects of Systems, Proc. WSEAS Intern. Conf. on SYSTEMS, pp.205-209 ISSN 1790-2769, Heraklion, Crete Island, Greece, 2008 (*ISI Web of Science*)
17. I. Gavriluț, V. Tiponuț, A. Gacsádi, **L. Țepelea**, *Mobile robot control by using CNN processing - An experiment*, Intern. Conf. on Engineering of Modern Electric Systems (EMES' 2007), ISSN 1454-9239, pp. 36-39, Oradea, Romania, 2007
18. **L. Țepelea**, V. Tiponuț, *A HRTF Interface for Visually Impaired People*, Sesiunea Doctor ETC 2007, Buletinul Științific al Universității "Politehnica" din Timișoara, Seria ELECTRONICĂ ȘI TELECOMUNICAȚII, TRANSACTIONS on ELECTRONICS and COMMUNICATIONS, Tom 52(66), Fascicola 2, pp. 26-29, 2007
19. **L. Țepelea**, A. Gacsádi, I. Gavriluț, *Man-Machine interface for visually impaired people*, Intern. Conf. on Engineering of Modern Electric Systems (EMES' 2007), ISSN 1454-9239, pp. 99-102, Oradea, Romania, 2007

20. I. Gavriluț, V. Tiponuț, O. Neamțu, **L. Țepelea**, A. Gacsádi, *Path Planning Methods for Mobile Robot by Using Cellular Neural Networks*, Proceedings of the International Conference on Renewable Sources and Environmental Electro-Technologies (RSEE'206), ISN 1454-9239, pp. 39-42, Analele Universității din Oradea, Fascicula Electrotehnică, Secțiunea Electronică, Oradea, Romania, 2006
21. V. Tiponuț, A. Gacsádi, **L. Țepelea**, C. Lar, I. Gavriluț, *Integrated Environment for Assisted Movement of Visually Impaired*, Proc. Intern. Workshop on Robotics in Alpe-Adria-Danube Region, (RAAD 2006), Balatonfüred, pp. 234-239, Hungary, 2006
22. I. Gavriluț, A. Gacsádi, **L. Țepelea**, V. Tiponuț, *Motion planning for two mobile robots in an environment with obstacles by using cellular neural networks*, Proceedings of the The 7-th International Symposium on Signals, Circuits and Systems, (ISSCS 2005) pp. 801-804, Iași, 2005 (*ISI Web of Science*)
23. V. Tiponuț, **L. Țepelea**, C. Lar, I. Gavriluț, A. Gacsádi, *An Integrated Environment for Assisted Movement of Blind Persons*, Proceedings of the International Conference on Engineering of Modern Electric Systems (EMES' 2005), Oradea, pp. 128-131, 2005

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Lavinia Țepelea

