

## LISTA DE LUCRĂRI

### I. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante

1. **Sz. Lefkovits** "Improvements on Gabor Descriptor Retrieval for Patch Detection Computing and Informatics (**ISI IF=0.66, SRI = 0.15**) [acceptat]
2. **Sz. Lefkovits** "Novel Gabor Filter Based Patch Descriptor" 10th Jubilee International Symposium on Intelligent Systems and Informatics, IEEE Conference, Serbia, 2012 **ISI fără factor de impact Australian Research Council C**
3. **Sz. Lefkovits**, L. Lefkovits "Enhanced Gabor Filter Based Facial Feature Detection" International Conference IETM-5, Mathematics and Computer Science section, Petru Maior University 2013. **ISI Proceedings**
4. **Sz. Lefkovits** "Numerical Computation Method of the General Distance Transform" KEPT 2011 International Conference Knowledge Engineering Principles and Techniques, Babeş-Bolyai University, 2011. ISSN: 2067-1180, pp. 143–152, indexat MathSciNet, ZMath. **ISI Proceedings**
5. **Sz. Lefkovits** "Teaching Improvements on Haar-based Classifiers" International Conference IETM-3, Mathematics and Computer Science section, Petru Maior University 2009, ISSN: 1844-2048, pp. 1050–1060. **ISI Proceedings**
6. **Sz. Lefkovits** "Performance Analysis of Face Detection Based on Haar-features" Proceedings of the International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems: Medical Applications of the Complex Systems :Biomedical Computing, Petru Maior University, 2008, ISBN: 978-973-7794-76-5, pp.184–192. **ISI Proceedings**
7. **Sz. Lefkovits** "Numerical Computation Method of the General Distance Transform" Studia Informatica Universitatis Babeş-Bolyai, vol. 56, no. 2, 2011, pp. 68–74. indexat MathSciNet, ZMath. indexat **BDI**
8. **Sz. Lefkovits** "Assessment of Building Classifiers for Face Detection" Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, no. 1, 2009, ISSN: 2065-5916,pp. 175–186, indexat EBCSO Databases, EZB – Karlsruhe Institute of Technology indexat **BDI**
9. **Sz. Lefkovits** "Hybrid Face Detector Based on Boosted Classifiers" The EighthConference of PhD Students in Computer Science, Optimization session, University of Szeged, Hungary, Institute of Informatics, 2012 „Best talk of the Session” award indexat **BDI**
10. **Sz. Lefkovits**, C. Enachescu "Face Detection System Based on Artificial Intelligence",International Conference ICELM, Decision Systems, Mathematical

Modelling and Statistics section, Petru Maior University, 2008, ISBN: 973-7794-00-10, pp. 112–121 indexat **BDI**

## **II. Teză de doctorat**

Doctor în domeniul Informatică, Universitatea Babeş-Bolyai Cluj-Napoca, Facultatea de Matematică și Informatică, Departamentul Informatică, Catedra de limbaje și metode de programare

Titlul tezei: Metode robuste de detecție a obiectelor cu aplicații în detecția facială

Conducător științific: prof. univ. dr. Horia F. Pop

Data susținerii publice: 21.09.2012

Distincția: Magna cum laude

Ordin de confirmare: 6508/19.12.2012

## **III. Brevete de invenție și alte titluri de proprietate industrială**

Nu este cazul.

## **IV. Cărți, capitulo de carte și îndrumare de laborator**

Nu este cazul.

## **V. Articole publicate în reviste din fluxul științific internațional principal**

1. **Sz. Lefkovits** "Improvements on Gabor Descriptor Retrieval for Patch Detection Computing and Informatics (**ISI IF=0.66, SRI = 0.15**) [acceptat]
2. **Sz. Lefkovits** "Novel Gabor Filter Based Patch Descriptor" 10th Jubilee International Symposium on Intelligent Systems and Informatics, IEEE Article , Serbia, 2012 **ISI fără factor de impact**
3. **Sz. Lefkovits** "Numerical Computation Method of the General Distance Transform" Studia Informatica Universitatis Babeş-Bolyai, vol. 56, no. 2, 2011, pp. 68–74. indexat MathSciNet, ZMath. indexat **BDI**
4. **Sz. Lefkovits** "Assessment of Building Classifiers for Face Detection" Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, no. 1, 2009, ISSN: 2065-5916, pp. 175–186, indexat EBCSO Databases, EZB – Karlsruhe Institute of Technology indexat **BDI**
5. **Sz. Lefkovits** "Combining Boosted Global- and Part-aspect Face Detectors" Scientific Bulletin of the Petru Maior University, vol.8, no. 1, 2011, ISSN: 1841-9267, pp.35–40 **CNCSIS B**

## **VI. Publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate**

1. **Sz. Lefkovits** "Novel Gabor Filter Based Patch Descriptor" 10th Jubilee International Symposium on Intelligent Systems and Informatics, IEEE

Conference, Serbia, 2012 **ISI fără factor de impact Australian Research Council C**

2. **Sz. Lefkovits**, L. Lefkovits "Enhanced Gabor Filter Based Facial Feature Detection" International Conference IETM-5, Mathematics and Computer Science section, Petru Maior University 2013. **ISI Proceedings**
3. **Sz. Lefkovits** "Numerical Computation Method of the General Distance Transform" KEPT 2011 International Conference Knowledge Engineering Principles and Techniques, Babeş-Bolyai University, 2011. ISSN: 2067-1180, pp. 143–152, indexat MathSciNet, ZMath. **ISI Proceedings**
4. **Sz. Lefkovits** "Teaching Improvements on Haar-based Classifiers" International Conference IETM-3, Mathematics and Computer Science section, Petru Maior University 2009, ISSN: 1844-2048, pp. 1050–1060. **ISI Proceedings**
5. **Sz. Lefkovits** "Performance Analysis of Face Detection Based on Haar-features" Proceedings of the International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems: Medical Applications of the Complex Systems :Biomedical Computing, Petru Maior University, 2008, ISBN: 978-973-7794-76-5, pp.184–192. **ISI Proceedings**
6. **Sz. Lefkovits** "Hybrid Face Detector Based on Boosted Classifiers" The Eighth Conference of PhD Students in Computer Science, Optimization session, University of Szeged, Hungary, Institute of Informatics, 2012 „Best talk of the Session” award indexat **BDI**
7. **Sz. Lefkovits**, C. Enachescu "Face Detection System Based on Artificial Intelligence", International Conference ICELM, Decision Systems, Mathematical Modelling and Statistics section, Petru Maior University, 2008, ISBN: 973-7794-00-10, pp. 112–121 indexat **BDI**
8. **Sz. Lefkovits** "Classification Mixture for Object Detection" Zilele Academice Clujene, 2010, ISSN: 2066-5768, pp. 5–10

**VII. Alte lucrări și contribuții științifice**

1. Proiecte/contracte/granturi de cercetare – dezvoltare – inovare  
Granturi de Cercetare Științifică pentru Doctoranți finanțată de Universitatea „Petru Maior” Tîrgu-Mureş; nr. 1473/30.04.2010, având valoarea totală de 2500 RON
2. Premii  
2012 „Best talk of the session” Conferința Studenților Doctoranți în Tehnologia Informației, Szeged, Ungaria
3. Membru în asociații științifice și profesionale  
Oracle Academy – membru

