

Szilágyi László

Lista de lucrări

Lucrările cele mai relevante

- i. **Szilágyi L**, Szilágyi SM: Generalization rules for the suppressed fuzzy c-means algorithm. *NEUROCOMPUTING* 139:298–309, 2014, ISSN 0925-2312, IF: 2.083
- ii. **Szilágyi L**: A unified theory of fuzzy c-means clustering models with improved partition. *Modeling Decisions for Artificial Intelligence (MDAI 2015, Skövde, Suedia)*. In: Torra V, Narukawa Y (Eds.): *Modeling Decisions for Artificial Intelligence*, Springer International Publishing Switzerland, Lecture Notes in Computer Science vol. 9321, pp. 129-140 (2015), ISBN: 978-3-319-23239-3
- iii. **Szilágyi L**: Fuzzy-Possibilistic Fuzzy Partition: a novel robust approach to c-means clustering. *Modeling Decisions for Artificial Intelligence (MDAI 2011, Changsha, China)*. In: Torra V, Narukawa Y, Yin JP, Long J (Eds.): *Modeling Decisions for Artificial Intelligence*, Springer, LNCS vol. 6820, pp. 150-161, 2011, ISBN 978-3-642-22588-8.
- iv. **Szilágyi L**: Robust spherical shell clustering using fuzzy-possibilistic product partition. *INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS* 28(6):524-539, 2013, ISSN 1098-111X, IF: 1.411
- v. **Szilágyi L**, Varga ZsR, Szilágyi SM: Application of the fuzzy-possibilistic product partition in elliptic shell clustering. *Modeling Decisions for Artificial Intelligence (MDAI 2014, Tokyo)*. In: Torra V, Narukawa Y, Endo Y (Eds.): *Modeling Decisions for Artificial Intelligence*, Springer, LNCS vol. 8825, pp. 158-169, 2014, ISBN 978-3-319-12053-9
- vi. **Szilágyi L**: Lessons to learn from a mistaken optimization. *PATTERN RECOGNITION LETTERS* 36(1):29–35, 2014, ISSN 0167-6855, IF: 1.551
- vii. **Szilágyi L**, Szilágyi SM, Benyó B: Efficient inhomogeneity compensation using fuzzy c-means clustering models. *COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE* 108(1):80-89, 2012, ISSN 0169-2607, IF: 1.555
- viii. **Szilágyi L**, Lefkovits L, Iantovics BL, Iclănzan D, Benyó B: Automatic brain tumor segmentation in multispectral MRI volumetric records. *International Conference on Neural Information Processing (ICONIP 2015, Istanbul, Turcia)*. In: Sabri Arik et al (Eds.): *Neural Information Processing*, Springer International Publishing Switzerland, Lecture Notes in Computer Science vol. 9492, pp. 174-181 (2015), ISBN: 978-3-319-26561-2
- ix. **Szilágyi L**, Dénesi G, Szilágyi SM: Fast color reduction using approximative c-means clustering models. *IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2014, Beijing)*, pp. 194-201, 2014, ISBN 978-1-4799-2073-0
- x. Haidegger T, Nagy M, Lehotsky Á, **Szilágyi L**: Digital imaging for the education of proper surgical hand disinfection. *Medical Image Computing and Computer-Assisted Intervention (MICCAI 2011, Toronto)*. In: Fichtinger G, Martel AL, Peters TM (Eds.): *Medical Image Computing and Computer-Assisted Intervention*, Springer, LNCS vol. 6893, pp. 619-626, 2011, ISBN 978-3-642-23625-9.

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Cărți și capitole

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1. **Szilágyi L:** Novel image processing methods based on fuzzy logic. Scientia Publishing House, Cluj-Napoca, 162pp, 2009, ISBN 978-973-1970-20-2
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