

## BRIEF CURRICULUM VITAE



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I received my PhD in Computational Science (Applied Mathematics option) from Lappeenranta University of Technology (LUT) - Finland in 2017, MSc degree in Technomathematics from Lappeenranta University of Technology in 2012 and a BSc degree from Makerere University in 2006.

### RESEARCH INTERESTS

My current research is focused on fuzzy set theoretic approaches in data analysis, control theory, optimization and multi-criteria support systems. Special attention is also given to soft computing methods with applications in industry and medical fields.

### PUBLICATIONS

#### (a) *Publications in peer-reviewed journals.*

- Luukka, P. and **Kurama, O.** (2013). Similarity Classifier with Ordered Weighted Averaging Operators, Expert Systems with Applications, vol. 40, No. 4, pp. 995–1002.
- **Kurama, O.**, Luukka, P. and Collan, M., Credit Analysis Using a Combination of Fuzzy Robust PCA and a Classification Algorithm: in Scientific Methods

for the Treatment of Uncertainty in Social Sciences, *Advances in Intelligent Systems and Computing*, vol. 377, 2015.

- **Kurama, O.**, Luukka, P. and Collan, M. (2016). An n-ary  $\lambda$ -averaging based similarity classifier, *International Journal of Applied Mathematics and Computer Sciences*, vol. 26, No. 2, pp. 407–421.
- **Kurama, O.**, Luukka, P. and Collan, M. (2016). A similarity classifier with Bonferroni mean operators, *Advances in Fuzzy Systems*, vol(2016).
- **Kurama, O.**, Luukka, P. and Collan, M., Similarity classifier with a weighted ordered weighted averaging operator, *Fuzzy Economic Review*, Vol. 21, No.2, 2016, pp. 93–109.

**(b) *Publications in peer-reviewed conference proceedings.***

- **Kurama, O.**, Luukka, P. and Collan, M., A similarity classifier with generalized ordered weighted averaging operator. Proceedings of the Joint 17<sup>th</sup> World Congress of International Fuzzy Systems Association and the 9<sup>th</sup> International Conference on Soft Computing and Intelligent Systems (IFSA-SCIS 2017), June, 2017, Otsu, Japan.
- **Kurama, O.**, Luukka, P. and Collan, M., On a Weighted Ordered Weighted Averaging Based Similarity Classifier. In: Proceedings of the 17<sup>th</sup> IEEE International Symposium on Computational Intelligence and Informatics (CINTI 2016), November, 2016, Obuda University, Budapest-Hungary, pp. 329–334.

**(c) *Published technical reports and dissertations.***

- **Kurama, O.** Similarity based classification methods with different aggregation operators, Doctoral Dissertation, Lappeenranta University of Technology, 2017.
- **Kurama, O.** Bankruptcy prediction using fuzzy methods, Master's thesis, Lappeenranta University of Technology, 2012.

## **MEMBERSHIP ON PROFESSIONAL BODIES**

### **(a) *Membership***

I am a member of The North European Society for Adaptive and Intelligent Systems (NSAIS) since 2016.

### **(b) *Professional activities***

- Program Committee member: NSAIS'16 – Workshop on Adaptive and Intelligent Systems 2016.
- Reviewer: The British Journal of Applied Science and Technology.
- Reviewer: Journal of King Saud University.