

**Refereed Journal articles (all in SCI-expanded journals, \* denotes corresponding author):**

1. E. Lughofer and M. Pratama. **On-line Active Learning for Data Stream Regression based on Single-Pass Certainty Sampling Criteria.** [IEEE Transactions on Fuzzy Systems](#), to appear, 2017.
2. F. Serdio, E. Lughofer, C. Zavoianu, K. Pichler, T. Buchegger, H. Efendic. **Improved Fault Detection employing Hybrid Memetic Fuzzy Modeling and Adaptive Filters.** [Applied Soft Computing](#), vol. 51, pp. 60--82, 2017, DOI: [10.1016/j.asoc.2016.11.038](#).
3. C. Zain, M. Pratama, E. Lughofer and S.G. Anavatti. **Evolving Type-2 Web News Mining.** [Applied Soft Computing](#), on-line and in press, 2017, [doi:10.1016/j.asoc.2016.11.034](#).
4. E. Lughofer, S. Kindermann, M. Pratama and J.d.J. Rubio. **Top-Down Sparse Fuzzy Regression Modeling from Data with Improved Coverage.** [International Journal of Fuzzy Systems](#), on-line and in press, 2016, [DOI: 10.1007/s40815-016-0271-0](#).
5. M. Pratama, E. Lughofer, M.J. Err and C.P. Lim. **Data Driven Modelling Based on Recurrent Interval-Valued Metacognitive Scaffolding Fuzzy Neural Network.** [Neurocomputing](#), to appear, 2016.
6. José de Jesús Rubio, L. Zhang, E. Lughofer, P. Cruz, A. Alsaedi, T. Hayat. **Modeling and control with neural networks for a magnetic levitation system.** [Neurocomputing](#), vol. 227, pp. 113--121, 2017, [DOI: 10.1016/j.neucom.2016.09.101](#).
7. Mahardhika Pratama\*, Jie Lu, Edwin Lughofer, Guang Zhang and Meng Joo Er, **Incremental Learning of Concept Drift Using Evolving Type-2 Recurrent Fuzzy Neural Network,** [IEEE Transactions on Fuzzy Systems](#), on-line and in press, 2016, [10.1109/TFUZZ.2016.2599855](#)
8. Mahardhika Pratama, Edwin Lughofer, Chee Peng Lim, Wenny Rahayu, Taram Dillon and Agus Budiyo, **pClass+: A novel Evolving Semi-supervised Classifier,** [International Journal of Fuzzy Systems](#), on-line and in press, 2016, [DOI: 10.1007/s40815-016-0236-3](#)
9. Carlos Cernuda, Edwin Lughofer\*, Helmut Klein, Clemens Forster, Marcin Pawliczek and Markus Brandstetter, **Improved Quantification of Important Beer Quality Parameters based on Non-linear Calibration Methods applied to FT-MIR Spectra,** [Analytical and Bioanalytical Chemistry](#) (special issue on "Process Analytics" organized by Rudolf Kessler), on-line and in press, 2016, [10.1007/s00216-016-9785-4](#)
10. Gerd Bramerdorfer\*, Alexandru-Ciprian Zavoianu, Siegfried Silber, Edwin Lughofer, Wolfgang Amrhein, **Possibilities for Speeding-Up the FE-Based Optimization of Electrical Machines - A Case Study,** [IEEE Transactions on Industrial Applications](#), on-line and in press, 2016, [10.1109/TIA.2016.2587702](#)
11. Edwin Lughofer\*, Eva Weigl, Wolfgang Heidl, Christian Eitzinger and Thomas Radauer, **Recognizing Input Space and Target Concept Drifts in Data Streams with Scarcely Labelled and Unlabelled Instances,** [Information Sciences](#), vol. 355-356, pp. 127-151, 2016, [doi:10.1016/j.ins.2016.03.034](#)
12. Mahardhika Pratama\* and Jie Lu and E. Lughofer and G. Zhang and Sreenatha Anavatti, **Scaffolding Type-2 Classifier for Incremental Learning under Concept Drifts,** [NeuroComputing](#), vol. 191, pp. 304-329, 2016, [doi:10.1016/j.neucom.2016.01.049](#)
13. Eva Weigl\*, Wolfgang Heidl, Edwin Lughofer, Christian Eitzinger and Thomas Radauer, **On Improving Performance of Surface Inspection Systems by On-line Active Learning and Flexible Classifier Updates,** [Machine Vision and Applications](#), vol. 27 (1), pp. 103-127, 2016, [doi: 10.1007/s00138-015-0731-9](#) (impact factor: 1.35)

14. Jianli Liu\*, Edwin Lughofer and Xianyi Zeng, **Aesthetic Perception of Visual Textures: A Holistic Exploration using Texture Analysis, Psychological Experiment and Perception Modeling**, [Frontiers of Computational Neuroscience](#), vol. 9: 134, pp. 1–14, 2015, <http://dx.doi.org/10.3389/fncom.2015.00134> (impact factor: 2.2)
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