

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

1. Edwin Lughofer*, **On-line Active Learning: A New Paradigm to Improve Practical Useability of Data Stream Modeling Methods - SURVEY/POSITION Paper**, *Information Sciences*, vol. 415-416, pp. 356-376, 2017, <https://doi.org/10.1016/j.ins.2017.06.038>
2. R. Nikzad-Langerodi, E. Lughofer*, S. Saminger-Platz, T. Zahel, P. Sagmeister, C. Herwig, **Automatic Feed Phase Identification in Multivariate Process Profiles by Sequential Binary Classification**, *Analytica Chimica Acta*, on-line and in press, 2017, <https://doi.org/10.1016/j.aca.2017.05.034>
3. 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*, on-line and in press, 2017, DOI: [10.1109/TFUZZ.2017.2654504](https://doi.org/10.1109/TFUZZ.2017.2654504)
4. 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](https://doi.org/10.1016/j.asoc.2016.11.038).
5. C. Zain*, M. Pratama, E. Lughofer, S. Anavatti, **Evolving Type-2 Web News Mining**, *Applied Soft Computing*, vol. 54, pp. 200-220, 2017, <http://dx.doi.org/10.1016/j.asoc.2016.11.034>
6. 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, 2017, DOI: [10.1007/s40815-016-0271-0](https://doi.org/10.1007/s40815-016-0271-0).
7. 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*, on-line and in press, <https://doi.org/10.1016/j.neucom.2016.10.093>, 2017.
8. 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](https://doi.org/10.1016/j.neucom.2016.09.101).
9. 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, 2017, [10.1109/TFUZZ.2016.2599855](https://doi.org/10.1109/TFUZZ.2016.2599855)
10. 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*, vol. 19 (3), pp. 863--880, 2017, DOI: [10.1007/s40815-016-0236-3](https://doi.org/10.1007/s40815-016-0236-3)
11. 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](https://doi.org/10.1007/s00216-016-9785-4)
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14. 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](https://doi.org/10.1016/j.neucom.2016.01.049)
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18. Kurt Pichler*, Edwin Lughofer, Markus Pichler, Thomas Buchegger, Erich Peter Klement and Matthias Huschenbett, **Fault detection in reciprocating compressor valves under varying load conditions**, *Mechanical Systems and Signal Processing*, vol. 70-71, pp. 104-119, 2016, [doi:10.1016/j.ymsp.2015.09.005](https://doi.org/10.1016/j.ymsp.2015.09.005) (impact factor: 2.26)
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