

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

1. E. Lughofer*, R. Pollak, A.C. Zavoianu, M. Pratama, P. Mayer-Heye, H. Zörrer, C. Eitzinger, J. Haim and T. Radauer. **Self-Adaptive Evolving Forecast Models with Incremental PLS Space Update for On-line Predicting Quality of Micro-fluidic Chips.** [Engineering Applications of Artificial Intelligence](#), to appear, 2018.
2. M. Pratama*, E. Lughofer, P. Angelov and M.J. Er. **Parsimonious Random Vector Functional Link Network for Data Streams,** [Information Sciences](#), to appear, 2018.
3. J. Liu*, E. Lughofer and X. Zeng. **Toward Model Building for Visual Aesthetic Perception --- SURVEY/POSITION Paper.** [Computational Intelligence and Neuroscience](#), on-line and in press, 2018, <https://doi.org/10.1155/2017/1292801>
4. J.J. Rubio*, E. Lughofer, P. Angelov, J.F. Novoa and J.A. Meda-Campina. **A Novel Algorithm for the Modeling of Complex Processes.** [Kybernetika](#), to appear, 2018.
5. Edwin Lughofer*, Mahardhika Pratama and Igor Skrjanc, **Incremental Rule Splitting in Generalized Evolving Fuzzy Systems for Autonomous Drift Compensation,** [IEEE Transactions on Fuzzy Systems](#), on-line and in press, 2017, DOI: 10.1109/TFUZZ.2017.2753727
6. Edwin Lughofer*, Roland Richter, Ulrich Neissl, Wolfgang Heidl, Christian Eitzinger, Thomas Radauer, **Explaining Classifier Decisions Linguistically for Stimulating and Improving Operators Labeling Behavior,** [Information Sciences](#), vol. 420, pp. 16-36, 2017
<http://www.sciencedirect.com/science/article/pii/S0020025517308678>
7. 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>
8. Mahardhika Pratama*, Eric Dimla, Chow Yin Lai, Edwin Lughofer, Meng Joo Er, **Metacognitive Learning Approach for Online Tool Condition Monitoring,** [Journal of Intelligent Manufacturing](#), on-line and in press, 2017, <https://doi.org/10.1007/s10845-017-1348-9>
9. 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>
10. 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
11. 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).
12. 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>
13. 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).
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