

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

1. Ramin Nikzad-Langerodi, Edwin Lughofer\*, Carlos Cernuda, Thomas Reischer, Wolfgang Kantner, Marcin Pawliczek, Markus Brandstetter, **Calibration Model Maintenance in Melamine Resin Production: Integrating Drift Detection, Smart Sample Selection and Model Adaptation**, [Analytica Chimica Acta](#), to appear as **FEATURE ARTICLE for Front Cover Issue**, 2018
2. Mahardhika Pratama, Witold Pedrycz and Edwin Lughofer\*, **Evolving Ensemble Fuzzy Classifier**, [IEEE Transactions on Fuzzy Systems](#), to appear, 2018.
3. 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.
4. 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](#), vol. 26(1), pp. 292--309, 2018, DOI: [10.1109/TFUZZ.2017.2654504](https://doi.org/10.1109/TFUZZ.2017.2654504)
5. M. Pratama\*, E. Lughofer, P. Angelov and M.J. Er. **Parsimonious Random Vector Functional Link Network for Data Streams**, [Information Sciences](#), to appear, 2018.
6. 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>
7. 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.
8. 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](https://doi.org/10.1109/TFUZZ.2017.2753727)
9. 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>
10. 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>
11. 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>
12. 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>
13. 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).
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