

Call for Papers: Special Issue on Data Science in Process Industries



We are happy to announce a Special Issue of the journal *Applied Stochastic Models in Business and Industry* (ASMBI), <https://onlinelibrary.wiley.com/journal/15264025> dedicated to the topical areas featured in the *ENBIS 2021 Online Spring Meeting on Data Science in Process Industries*:

<https://enbis.org/activities/events/current/651> ENBIS 2021 Online Spring Meeting Data Science in Process Industries/

Process Industries have been an important part of Industrial Statistics for many years. Process industry data includes real-time, high-dimensional measurements as well as data related to the quality of finished products. Machine learning, artificial intelligence and predictive modelling are increasingly important and will enrich the statistical toolbox in industry. Future IoT and Industry 4.0 need these methods to develop and be successful.

Therefore, having Process Industries as background, we welcome submissions on the following topics and connected fields:

- Artificial intelligence
- Bayesian adaptive design
- Data quality
- DoE and product design
- Forecasting technologies
- Integration of domain knowledge
- Machine learning
- Maintenance
- Multivariate analysis in industry
- Predictive modelling
- Process monitoring in Industry 4.0
- Reliability
- Role of statistical thinking in process industries

- Simulation, emulators and metamodels

Papers should present either innovative methodologies in Data Science, or insightful applications of existing methods in Process Industries. Submissions are not restricted to papers presented at the ENBIS 2021 spring meeting. All submissions will go through the standard, selective review process of ASMBI. Submissions are possible until September, 30th, 2021 through the website <https://wiley.atyponrex.com/journal/ASMB>.

Please follow the ASMBI author submission guidelines given on the ASMBI website (<https://onlinelibrary.wiley.com/page/journal/15264025/homepage/forauthors.html>) and clicking on the box about submissions for special issues, mentioning “ENBIS 2021” when requested.

The Guest Editors of the special issue will be Marco S. Reis (marco@eq.uc.pt) and Nikolaus Haselgruber (nh@cis-on.com). For any information about the ASMBI journal, please contact its Editor-in-Chief, Fabrizio Ruggeri (fabrizio@mi.imati.cnr.it).