



Dear readers,

The fourth edition 2016 substantiates the growing importance of research in production engineering area, both in terms of the contribution for solving industrial problems and for generating scientific knowledge.

The first paper employs clustering analysis to support the identification of failure modes, which caused more electricity disruption between 1998 and 2009. The second paper develops a simulation model to capture and use windows of idleness for maintenance in expedition systems of mining products. The third paper deals with servitization, discussing organizational implications and acquisition of competencies. The fourth paper discusses ergonomic intervention and potential resulting productivity improvements. The fifth contribution proposes a multicriteria decision model to choose the most suitable transportation system for the soybean production flow in Mato Grosso do Sul state.

The sixth paper analyses logistics processes *lead time* in a flower retailer network. The seventh paper proposes a decision making conceptual model regarding the centralization or decentralization of storehouses. The eight paper develops a model to improve feedback on projects of hydraulic and sanitary building systems. The ninth paper approaches strategic resources for lean production through a case study in the electronic manufacturing industry. The tenth paper identifies and compares performance indicators for measuring industrial symbiosis.

The eleventh paper deals with the identification of the relationship between continuous improvement and organizational learning in the white goods industry on 1st and 2nd levels of the supply chain. The twelfth paper deal with innovation in a military research institution by means of an exploratory case study.

The thirteenth paper applies and assesses TRAPSS methodology considering the backdrop of servitization. The fourteenth paper addresses the university-industry interaction in Espírito Santo state, focusing on the role of engineering. The fifteenth paper identifies, through a systematic literature review, quantitative methods for sustainable supplier selection.

We hope this collection of papers can contribute to enrich your learning.

We wish you all a good read!

A great New Year!

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