



Dear readers,

In its third edition of 2017, *Produção Online* journal offers 15 research papers that embody Production Engineering research thematics and methodological approaches.

The initial paper develops and tests a model to estimate the remaining life of assets in airports. The approach is applied to a Brazilian airport with interesting results. Paper 2 measures the effectiveness of incremental utilization heuristic for assembly line balancing in a surface treatment process. The third paper deals with the environmental comfort in a classroom through the analysis of the thermal perception of students in two regions and derived estimation of comfort zones.

Paper 4 develops a simulation model to evaluate the total downtime of a power generation plant due to the lack of spare parts as a function of inventory levels of each part. The fifth paper empirically analyses the relationship between the behavioural orientation of leaders of different hierarchical levels and the stage of the implementation roadmap of lean manufacturing, as well as the influence of leadership contextual variables.

The paper 6 proposes a modified X-bar control chart with asymmetric limits and multiple sampling. The seventh paper analyses by means of a case study the impact of medical restrictions on school ergonomic costs in a Brazilian municipality. Paper 8 develops a model for the control for production systems operational performance, using cost evaluation and capacity planning. The objective of the research paper is to emphasize the cost shares related to the production, as well as to system inactivity costs, investigating their impact on the final result. Paper 9 describes and evaluates the active learning experience carried out in the discipline “Engineering Methods” of a Production Engineering course. Tenth paper investigates and defines a relationship between a socio-environmental program and the principles of relationship with organization stakeholders.

The paper 11 analyses, by means of an exploratory study with information and communication technologies managers, the contribution of information systems integration in organizations. The twelfth paper analyses the evasion causes in a Production Engineering course, a contemporaneous and very relevant issue. The paper 13 evaluates the efficiency of container terminals in Brazil by means of a qualitative and quantitative combined approach. The 14th paper develops a bibliometric study regarding the use of multicriteria analysis on entrepreneurship data. The paper 15 analyses the efficiency in public

hospital services in Brazilian capitals.

The content of the papers evidences the growing relevance of research in the area of industrial engineering, both from the point of view of contributing to the resolution of industrial problems and the generation of scientific knowledge. This demonstrates to current contribution of Production Engineering to Brazilian competitiveness and sustainable development.

As usual, we hope that this collection of articles can contribute to the enrichment of your learning.

We wish you all a great read!

Prof. Dr.-Ing. Enzo Morosini Frazzon
Editor
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Coeditora

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