



Dear readers,

It is with great pleasure that we present to the community the latest issue of *Produção Online* 2015. It was a year of much effort seeking to enhance the relevance of published papers as well as the editorial quality and agility. In this latest edition we have 15 scientific papers, dealing with relevant issues in different areas of Production Engineering. We remind you once again that as editorial policy, the edition items are ordered according to their number of submission.

The first paper that opens this issue addresses the maintenance. The use of autonomous maintenance in a pilot area of a metal-mechanical industrial company is addressed by means of a case study. Following, the next paper deals with the specificities of small and medium enterprises. The authors developed a theoretical work analysing national and international papers, in order to map the performance evaluation tools used by small and medium business networks. The third article deals with the operations management issue. This paper discusses the flow shop scheduling problem with hybrid explicit and independent setup times of task sequences. Fourth article presents a survey of the ergonomics studies dealing with the problems faced by agricultural pilots in the execution of their work, which may be related to health and safety. The aim is to investigate if the evolution of the technologies used in agricultural aviation is accompanied by an improvement in working conditions. Finishing this first block, we have the fifth article that is also related to operations management field, but with a qualitative and quantitative approach. In this work the authors attempt to show how the application of qualitative analytical methods can be supported by statistical analysis of equipment failure data for the determination of an appropriate cost-efficient maintenance policy, in order to reduce life cycle cost of the equipment.

Starting the second block, we have the sixth article whose theme is environmental management. This paper aims to describe how companies have managed environmental issues and make a comparison between companies born in the RS and other Brazilian states. In the seventh article, a theoretical and conceptual article, the authors seek to clarify, under a new point of view, the relationship between innovation and current efforts toward a scientific theory of Work, with its complex structure of theories, hypotheses and disciplines. In the eighth article, the authors chose to discuss the risk management theme. This study aimed to identify the risks that negatively impact the poultry supply chain in the city of Ubá/MG and what are the strategies adopted for integrating agro-industry in order to mitigate them. The ninth article in this issue handles a central theme of Production Engineering, value. In this paper the authors revisit the concept of value through economic and social paradigm and use of a literature review from different disciplines that contribute to conceptually define the determinants of value creation. Closing the second block, we have the tenth article that aims analysing the impact of using ERP systems on inter-organizational efficiency and effectiveness of small and medium enterprises in the city of Patos de Minas/MG.

Opening the last block, the eleventh article deals with the cost issue. The study makes the integration of Waste Identification Diagrams (WID), current tool for viewing and analysing production processes, together with Activity-Based Time-Driven Costing (TDABC), seeking to create a model that visually demonstrate waste and relate these to operating costs. On the twelfth article we have the energy efficiency theme. The aim of this paper is to propose a methodology for assessing the impacts of climate variability on the efficient use of electricity for public lighting in Brazil. The thirteenth article is about dimensions of perceived quality in B2B relationships. The work aims to identify the main characteristics that make up the quality of the relationship between a public organization and its private suppliers,

through a case study and through the dimensions of relationship quality between companies proposed by Holmlund. The next article discusses the evolution of reverse logistics studies conducted at the national level, through a bibliometric analysis. And to close this edition, in the fifteenth article, the authors propose a new method for requirements management in business analysis. They developed a model that integrates and consolidates various existing models in the literature for the process of requirements management, aiming to consider at a comprehensive horizon the details of the steps that must be managed.

This edition comprises 39 authors from 09 different Brazilian states and one article from Portugal. The authors represent 18 different educational institutions and two companies. We hope that the scope and relevance of the issues, and the quality of the papers, contribute to the enrichment of your learning.

We wish all readers of the *Produção Online* a great end of year, a Merry Christmas and a 2016 full of accomplishments.

Have you all a great read!

Profa. Dra. Lucila Maria de Souza Campos  
Coeditora  
Prof. Dr.-Ing. Enzo Morosini Frazzon  
Editor-in-chief

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**Key Editorial Performance Indicators - December 2015**

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Number of paper in editing and publishing process: 18

Average time between submission and acceptance for publication: 250 days

Average time between submission and first feedback to authors: 10 days