



Dear readers,

Time has passed since December 2010 when I wrote my first Editorial for the *Produção Online* journal, still as co-editor. Since then, the journal has evaluated approximately 2000 manuscripts and, of these, published 408 papers in 29 editions. The editorial work, which includes the first screening (desk review), the selection of reviewers and the follow-up of manuscripts' reviews and corrections, enables the contact with relevant and current research in all areas of industrial engineering. Thousands of hours of rewarding work since I accepted the invitation to take over this challenge. My editorship cycle ends in this edition, when I finish my second 3-year term as Editor-in-chief of the journal *Produção Online*, strictly according to the current rules of ABEPRO editorial board (NEA). Indeed, this is not a farewell, but only a responsibility and challenge change, since, in the next 3 years (2018-2020), I will act as Editor-in-Chief of Production journal (<http://www.prod.org.br/>). I hope to receive your best manuscripts, reporting challenging aims, solid methods and relevant results of your scientific research there.

*Produção Online*'s fourth edition of 2017 includes 15 papers that cover different thematic and methodological approaches of industrial engineering. The opening paper addresses the analysis of the productive links (inputs, production, processing and marketing) in artisanal fishing activities through the application of failure modes and effects analysis (FMEA). The second paper applies quality function deployment (QFD) in the children's clothing sector of the Brazilian textile industry. The following article reports the main steps taken in the application of kaizen in a manufacturer of serial industrial components. The fourth article, based on information from users of a digital automatic blood pressure device, validated its safety and practicality, as well as proposed product and instruction manual improvements. The fifth paper evaluates the use of artificial neural networks for the analysis of electricity generation for a grid-connected photovoltaic system.

The sixth article identifies variability types in the structural masonry production process, using technical standards and complete kit approach. The seventh published work analyses the results of thermographic images of the skin surface of workers exposed to low temperature activities and compares them with tolerance limits specified at national health and safety laws and regulations. The following article proposes a model of production costs, based on production and transaction costs efficiency factors. Paper nine reviews the literature on the parameters for the evaluation of manufacturing cells that employ lean philosophy. The tenth article compares the cost and benefit of a sandwich building system, moulded in

place and reusing bottles of polyethylene terephthalate (PET) to compose the core of the walls and slabs.

The next article addresses the internal organizational factors that facilitate or hinder product innovation, identified in a case study at a company that develops engineer to order products. The article twelve constructs an overview of noise levels for acoustic comfort of teaching environments with video display terminals in Brazil. Next, the thirteenth article studies the persistence in variance and structural breaks in prices series in the fruit sector. The following article analyses the supply chain of an automaker that operates using the completely knocked down (CKD) system, presenting and discussing the operational constraints that this chain generates on productive operations. Finally, our fifteenth article addresses which attributes can positively impact on the service level of an educational institution.

The content of the papers evidences the growing relevance of production engineering research, both contributing to the resolution of industrial problems and generating scientific knowledge. This demonstrates to current relevance 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.

Happy New Year! We wish you all a great read! See you soon!

Prof. Dr.-Ing. Enzo Morosini Frazzon  
Editor-in-chief (2011 – 2017)

Revista Produção Online  
Brazilian Association of Industrial Engineering (ABEPRO)  
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**Key editorial performance indicators – December 2017**

Number of papers under evaluation: 91

Number of paper in editing and publishing process: 29

Average time between submission and acceptance for publication: 251 days

Average time between submission and first feedback to authors: 20 days