



## EDITORIAL INTRODUCTION

It is a pleasure to present this issue of the *Brazilian Journal of Operations & Production Management* (BJO&PM). This challenging achievement feeling comes from the fact that in this issue, the delay of the publishing journal schedule was eradicated, I wish, definitely

So, I would like to thank all those people who have kindly contributed to this issue: the authors, the reviewers, the advisory committee, the co-editors, the NEA's team and all the ABEPROS' board. Without their contribution, this issue would not be accomplished.

### In this Issue

In this issue, five papers have been published, all of them selected under a rigorous blind review system. The referees who have worked on the analysis of the manuscripts are very well qualified and important researchers on production and operations management subjects.

The first paper is authored by Dr. Antonio F. B. Costa and Dr. Fernando A. E. Claro which presents a model that deals with the economic design of an X control chart used to monitor a quality characteristic whose observations fit to a first order autoregressive model. This paper shows that the autocorrelation has an adverse effect on the chart's power, on the false alarm risk and on the cost. To counteract this undesired effect, the authors considered setting up the subgroups using non-sequential observations, evidencing that this sampling strategy significantly reduces the monitoring cost.

The second one was written by Dra. Danielle Costa Morais and Dr. Adiel Teixeira de Almeida which proposes a group decision model focusing on social sustainable development. The approach adopted by the authors combines tools of problem structuring and multicriteria evaluation. The problem structuring approach is used to facilitate and to share information starting from the participative development, as a way to generate alternative ideas of solution and to improve the learning process among all the involved members. The multicriteria evaluation is used to find a global solution for

the problem, incorporating the points of view of all members involved in the decision process.

The third manuscript is authored by M.Sc. Marcelo HossAlmeidaa , Dra. Carla Schwengber Ten Caten and Dra. Mariliz Gutterres, and analyzes the Management Practices and Results constructs from several ISO 9001:2000 certified and non-certified organizations in the Brazilian leather-footwear chain. It reports a research survey with 130 organizations, 45 certified and 85 non-certified ones. The authors identify that certified organizations performed better in Management Practices and obtained superior Results than the non-certified ones. It is suggested that the non-certified companies in the Brazilian leather-footwear chain should develop a specific motivation to obtain the ISO 9001:2000 certification in order to improve their businesses.

The fourth paper was written by Dr. Osiris Canciglieri Júnior, M.Sc. João Pedro Buiarskey Kovalchuk and Dr. Antonio Batocchio, and demonstrates the applicability of the concepts of Concurrent Engineering and DFM/DFA (Design for Manufacturing and Assembly) in the development of products and parts for the White Goods industry in Brazil, showing one case concerning to the development and releasing of a component. This paper also shows how to use these techniques as a solution to improve cost savings and reduction in delivery time.

The fifth manuscript is authored by Dra. Rosangela Maria Vanalle, José Antonio Arantes Salles and Milton Vieira Junior, and identifies and analyzes the manufacturing strategies of two supply chains of the automobile industry and the assemblers' influences on the other participants in each chain. In this research, two plants of the same assembler, one in Brazil and the other in Spain, and their suppliers, were analyzed, using questionnaires and interviews. The authors observed that the competitive priorities of the suppliers are strongly conditioned to the strategy of the assembler, and the ordination of these priorities in the Brazilian case is different from that in the Spanish case.

I wish the readers to get all the best from this issue.

Dr. Helder Gomes Costa, Editor  
Brazilian Journal of Operations Management (BJO&PM)  
Brazilian Association of Production Engineers (ABEPRO)