

FOREWORD

What's measured improves

Peter Drucker

This publication has been compiled by employees of the Department of Economics and Computer Science and contains 21 articles devoted to the use of quantitative methods in management and quality sciences as well as in economics and finance. Their content includes 3 key research threads preceded by two preliminary articles presenting techniques and results of the analysis of the content of scientific publications for the purposes of the above mentioned scientific disciplines. These threads concern the following:

- management improvement in business organisations (implementation of management systems; project and risk management; logistics; safety management systems; production planning; ergonomics),
- quality management (systems and methods of quality management in theory and practice),
- economics and finance (efficiency; operating costs and capital cost; financing; investments).

In all articles, the authors exhibit modern quantitative methods and techniques used for the needs of the analysed issues, which, together with the empirical approach presented in each article is a valuable and attractive added value of the publication. An additional advantage of the conducted research and considerations is also an interdisciplinary view on the considered aspects.

I would like to thank all employees for their commitment and development of the articles which reflect the key research interests of the Department.

Izabela Jonek-Kowalska