# ABSTRACTS

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## MATERIAL FLOWS IN PRIMARY WOOD PROCESSING IN SLOVAKIA

(pages 1-5)

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***Keywords:*** wood flows, wood resources, logistics
***Abstract:*** Material flow analysis was used to reveal and quantify relations between the resources and the primary uses of wood. The paper deal with the analysis of raw wood flows in Slovakia in two approaches to wood flow modelling were utilised - wood balance and wood resource balance. Wood balance was presented to demonstrate a general view of the resources and primary uses of roundwood without analysing internal flows. The wood resource balance, as a more detailed analysis, takes into account the uses of wood as a material and also the by-products and waste generated by the production that could be used as inputs for further uses in wood processing or energy sectors. The latter balance was compiled using available official statistics supplemented by a questionnaire to estimate missing data for waste streams with a total consumption of 10.78 mil. $m^3$ roundwood.

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## ANALYSE OF THE PRODUCTION OF A SPECIFIC ENTERPRISE WITH A FOCUS ON THE IDENTIFICATION OF BOTTLENECK

(pages 7-10)

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***Keywords:*** logistics, manufacturing process, analyse, designing, bottleneck
***Abstract:*** Each enterprise is based on processes, either productive or non-productive. Productive processes are made by automatic or semi-automatic production lines or by manpower. This article deals with a semi-automatic production line within a specific company. It aims to show possibilities to locate the bottleneck. An enterprise can also represent an international company, which aims to design and produce high-tech systems and components for the automotive sector. The result of the production process is the *"component A"*.

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# USE OF THE CONCEPT OF CONTINUOUS IMPROVEMENT AS A TOOL FOR OPTIMIZATION OF LOGISTIC PROCESSES

(pages 11-14)

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***Keywords:*** innovation, benefits, costs, pricing, competition
***Abstract:*** Manufacturing companies in today's highly competitive environment are under great pressure. They are constantly forced to seek reserves in their processes. Within logistics we can use dozens of quantifiable parameters which offer us a range of indicators. Manufacturing companies, however, have recently also been trying to use soft tools for the development of the employees' human potential, which can secondarily influence these parameters. One possibility is the application of the Kaizen philosophy. The article deals with the analysis of the research implementing this philosophy in the mechanical engineering production within a company in the Czech Republic.

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# SUPPLIER QUALITY ASSURANCE – STEP TO COMPETITIVE ADVANTAGE

(pages 15-19)

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***Keywords:*** supplier quality assurance, SQA process, competitive advantage
***Abstract:*** This paper aims to provide the main directions for the standardization of Suppliers Quality Assurance (SQA) processes. The standardization of such processes is to provide a "same face" to SQA areas, allowing their interaction, exchange of information, adoption of best practices and achievement of better and comparable results, besides the recognition, by global Suppliers point of view, of only one company.

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# CONCEPT OF SERVICE LOGISTICS

(pages 21-25)

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***Keywords:*** services, logistics, industry, transport, indexes of level of the services
***Abstract:*** The article deals with the design of service logistics, its definition, intersections and classification. It is meant to define the objects and subjects, which create the service logistics that would be used as a base for the subject, which is oriented to the particular area. The aim of the article is to set a complete and transparent source of information to formulate the areas of service logistics for the scientific-technical materials from the particular area. To meet the objectives, it is necessary to work the analysis of the theoretical knowledge in the area of services. The particular aim is to analyse the current state of the information-giving area, concerning the services and service logistics in general. This analysis will be transformed into the third particular aim, which is the synthesis of the service logistics itself and its defined content.