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## ABSTRACTS

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### A UNIFIED MACHINE FOR TECHNOLOGICAL ELECTRIC TRANSPORT LOAD-BEARING SYSTEM

(pages 1-5)

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**Keywords:** load-bearing system, universal machine of technological electric transport, parameters

**Abstract:** The paper presents such a research of one of the most important layout-forming parts of the unified machine for technological electric transport (UMTET), namely the load-bearing system. With all the variety of design criteria set for UMTET, the bearing frame must satisfy the following requirements: to be an installation base for the assumed units, UMTET mechanisms, as well as attached implements; to be technologically advanced and have a low production cost; to withstand operational operational loads with the minimum possible weight, which will allow to maximize the power and duration of UMTET operation without recharging.

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## LIMITATIONS OF TRUST CONCEPT IN DESCRIPTION OF COOPERATION TERMS

(pages 7-10)

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**Keywords:** cooperation, relationship, trust, reliance on partner of exchange, dependence on partner of exchange

**Abstract:** The intensification of competition, and difficulties concerning achievement of competitive advantage through development of technology affected the importance of quick delivery of products to customers. Therefore, the concept of integrated cooperation in supply chain was developed. In an effort to improve efficiency, the interest in cooperation with specialized service providers increased. Typologies of forms of cooperation and different types of relationships between cooperating parties presented in the literature show, that widening scope of cooperation and the related tightening of relationships between parties are increasingly important to convince both sides of cooperation, that the actions of partner lead to agreed, common objectives. Such a conviction may change over time, which affects the ability to achieve expected benefits of cooperation. The purpose of this article is to present determinants of trust in cooperation, together with restrictions on the use of trust in description and analysis of relationships between cooperating parties.

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## LOGISTICS TECHNOLOGIES IN AVIATION

(pages 11-17)

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**Keywords:** logistics activities, logistics technologies, material handling, packaging, transportation

**Abstract:** The article is devoted to prospective logistics technologies, which are known in all sectors. One such branches of the aviation industry that uses these technologies to enhance development among other sectors. The article analyzes and specifies logistics technologies used in aviation. Planning and organization of air transportation is applied particularly due to the international nature of this transport, when typically great distances have to be overcome meeting the economic and physiological requirements, asking for fast, convenient and safe services. It raises the need for unification of the basic requirements and regulations for the establishment and operation of an air carrier, air traffic control, passenger check-in, construction and operation of airports and other aviation-related activities.

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## STRUCTURAL DETERMINANTS OF CONFLICTS WITHIN THE LOGISTICS SYSTEM OF AN ENTERPRISE

(pages 19-22)

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**Keywords:** organizational conflicts, logistics system of an enterprise, structural determinants of conflicts

**Abstract:** Among the various determinants of conflicts arising during the organization and operation of logistics system of an enterprise, the most important are those that have their origin in the organizational structure of the enterprise. The aim of this article is to systematize and characterize such determinants. The first part of the article is devoted to the interpretation of both the logistics system of an enterprise and conflicts that occur within this system. Then the general typology of structural determinants of organizational conflicts is presented. The main part of the article characterizes these determinants in relation to the logistics system of an enterprise.

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## THE POSITION OF DISTRIBUTION LOGISTICS IN THE LOGISTIC SYSTEM OF AN ENTERPRISE

(pages 23-26)

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**Keywords:** logistics, distribution, theory, micrologistics, definitions

**Abstract:** Article deals with the focus on branch of logistics and special with focus on distribution logistics, theory, definition and position of distribution logistics in micrologistics model of an enterprise. Distribution logistics, of its range of solutions, is focused on the proposal of distribution systems for enterprises and companies, allocation and placement of companies, warehouses and distribution centres, storing and technical equipment, optimization and dimensioning of the elements of distribution systems, optimization and development of distribution plans, the selection and optimization of modern information and expert systems in the area of distribution, defining the distribution circuits.

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