
ABSTRACTS

CZECHOSLOVAK ACTIVITY TO PREPARE EUROPEAN NORMS FOR CONTAINERS BEFORE THE SECOND WORLD WAR

(pages 1-7)

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Keywords: Czechoslovakia, containers, norm, Second World War, Europe

Abstract: In many articles we can read that containers weren't in Europe before 1966, when ship SS Fariland came with 35 feet containers invented by Keith Tantlinger for Sea Land Company owned by Malcom McLean. The focus of this study is on the problem with development norms for European containers. Thus, the main definitions and briefly literature overview in the analysed research area are given. Later, the information about these constructions are developed. Article presents Czechoslovak activity to preparation of three European norms for containers, which were described before Second World War.

WHAT WAY DETERMINE THE CORRECT ALLOCATION AND LAYOUT FOR THE NEEDS OF PARKING FREIGHT DESIGN IN CONCRETE REGION

(pages 9-16)

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Keywords: layout, transport, optimization, allocation, truck parking

Abstract: In terms of building a network parking strategies for freight transport may be considered two variants: a building (completing) car parks on abandoned of border crossings, respectively building a whole new network of parks. Creating a network of parks for freight is in the interest of the Slovak Republic as well as the European Union. The subsequent optimization is dependent on the quality of road infrastructure and the traffic intensity in the monitored sections. It is therefore important selection of suitable candidates, administrators and their subsequent assessment of the appropriateness and services provided in selected locations. Identification of parking in the SR enables to choose the effective solution for intelligent networking and secure parking.

SIMULATION AS AN APPROPRIATE WAY OF VERIFYING THE EFFICIENCY OF PRODUCTION VARIANTS IN THE DESIGN OF PRODUCTION AND NON-PRODUCTION SYSTEMS

(pages 17-21)

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Keywords: design, simulation, product lifecycle, simulation software

Abstract: The paper deals with simulation and her forms of use in designing of production and non-production systems. Points to the possibility of using software can help in planning and subsequently in other phase of the lifecycle production and products. Article informs about some of the advantages of this type of software and his options. Sets out some theoretical knowledge of simulation and in the practical part presents some frequently used simulation software.

INNOVATION LEAN PRINCIPLES IN AUTOMOTIVE GREEN MANUFACTURING

(pages 23-27)

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Keywords: innovation, green manufacturing, lean management, production

Abstract: Today, industries such as automotive and manufacturing industries deal with a lot of environmental regulations. Lean is a production strategy whose fundamental principles drive the industry towards a more effective production of goods and services. The eco-efficiency concept is primary to sustainable development and intends to provide more value with less environmental impact. The aim of this study is to identify and explore the contributions of Lean to reduce environmental impacts that naturally result from industrial activity.

THE METHODOLOGIES FOR INVENTORY ANALYSIS IN THE LOGISTIC CHAIN OF AN ENTERPRISE

(pages 29-35)

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Keywords: inventories, materials, consumption, resources, material substitution

Abstract: Stocks in the process of extended reproduction in a production and in a circulation are items (capital goods and consumer goods), which are stored for later consumption. Their need is caused by a discrepancy between cycles of supplies and consumption of individual stocks in a production, by a specific seasonality, transportation of certain amounts which are not in conformity with current consumption.
