

Министерство образования и науки Российской Федерации
Федеральное государственное бюджетное образовательное учреждение
высшего профессионального образования
«Сибирская государственная автомобильно-дорожная академия
(СибАДИ)»

ТРАНСФЕР ЗНАНИЙ И ТЕХНОЛОГИЙ В СОВРЕМЕННОЙ РОССИИ

Сборник научных трудов

Омск 2013

УДК 06

ББК 39.3

С 34

Трансфер знаний и технологий в современной России: сборник научных трудов – Омск: СибАДИ, 2013. – 125 с.

ISBN 978-5-93204-644-9

Редакционный совет:

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KNOWLEDGE AND TECHNOLOGY TRANSFER IN MODERN RUSSIA
Abstracts (in the author's edition)

PART 1.

SIBERIAN AUTOMOBILE AND HIGHWAY ACADEMY IN THE INNOVATION
PROCESS

V.P. Denisov, S.S. Zhuravlev, K.V. Zubarev. *The innovative design of control systems of internal combustion engines.*

The method of automatic control by temperature of the heat carrier of the cooling system of an internal combustion engine on the basis of an indistinct logical conclusion is offered. The system increasing technical reliability of an internal combustion engine by creation of a whirl of heat carriers is developed.

A.P. Dombrowski, O.O. Mironicheva. *An experimental setup to test the control system electric fan radiator cooling the of internal combustion engine.*

In this article have been considered the variant of experimental facility for investigation of the method for reduction of temperature of the internal combustion engine in extreme condition of operation by means of increasing turbulence of coolant. The facility implements mode of pulsing change speed of air coolant. Structural block scheme of facility was give and requirements were determined for to the components.

V.Y. Kirnichny. *Introduction competitive technologies in regional construction industry and improving the forms of his organization.*

We consider the issues of introduction of competitive technologies, effective forms of organization of building production and training, as well as the formation of the activation mechanisms of transfer of knowledge and technology to the regional construction sector.

N.G. Pevnev, A.S. Bakunov. *Health and environmental effects data analysis of car exhaust emissions components.*

The researches of repugnant substances emitted by corporates and car engines that pollute air are given in this work. Dangerous components of car exhaust emissions of chemical engines are estimated. The state-run programs of some countries that inspire usage of CNG (condensed natural gas) as alternate fuel are analyzed. There are some attractions of usage of CNG for automobile transport in the big cities to cut emissions of repugnant substances in the air.

N.G. Pevnev, A.S. Bakunov. *The buildup of ecological and economical characteristics of car engine functionment*

This article is about one of variants of nonpolluting car engine fueling using hydric synthesis gas produced in the car. The article contains the design of synthesis gas generator.

L.I. Ryzhenko. *The information network innovation in the urban economy.*

We consider the problems of introducing innovative solutions in the urban economy and such negative factors as the contradiction between the amount of return on investment and the value of the city. Describes the project "Network for Innovation in urban economy" and which it is based software products developed using the tools of Cognitive engineering.

PART 2.

INSTITUTIONAL ISSUES OF TRANSFER OF KNOWLEDGE AND TECHNOLOGY

V.V. Biryukov, V.Y. Kirnichny. *Improve the organization and management of the regional building complex in conditions of economy modernization.*

Addresses issues related to improving the organization and management of the regional construction industry in terms of economic modernization.

V.V. Biryukov. Development of competitive advantages of enterprise structures in the field of construction in innovation.

Considered the problems of management principles and transfer technology management to form a strategy to improve the competitiveness of construction companies and shows the features of their competitive advantage in the innovation economy.

V.P. Ploskonosova. *Institutional modernization and innovation changes in Russian economy.*

This article discusses the various approaches to the concept of modernization processes, features disclosed institutional modernization, the emergence of an innovative economy in the Russian society.

E.V. Romanenko. *The formation and development of dynamic capabilities of small business.*

Actual problems of the increase in importance of the formation and development dynamic capabilities of small business, allowing on the innovation basis to adapt to the changing business environment are considered.

D.S. Savchenko. *Development of cooperative interaction and intensify innovation processes in industry.*

The problems of cooperative interactions and increased innovation in the industry.

GS Friedman. *Black lobbying and the development of telecommunications in Russia.*

Examines the history and the state policy of the Russian Federation in the field of mobile telecommunications. It is shown that the monopoly and its supporting "black lobbying" in this area are a brake transfer of advanced technology to Russia.

L.V. Eichler, G.A. Eichler. *Accounting for self-organization processes in the motor complex in modernizing the Russian economy.*

The article is devoted to studying the formation of economic interaction between freight trucking companies that operate in the form of self-organization of professional business in the area of freight transport.

PART 3.
METHODOLOGICAL PROBLEMS IN TRANSFER OF KNOWLEDGE
AND TECHNOLOGY

V.V. Biryukov, V.P. Ploskonosova. *Knowledge Society in Russia and activation of innovation processes.*

We examined the issues of forming a society of knowledge in Russia and increased innovation.

G.D. Boush. *Problems of transfer of economic knowledge.*

It considered the lack of comprehensive and systematic perception of economic phenomena; scarcity of productive research tools, the lack of technology development of scientific theories, it is necessary and sufficient to explain and describe the essential aspects of economic objects.

Vlaskin A.V. *DIS2 open standard as a tool for knowledge transfer.*

The paper considers open standard DIS2 and based on it the First Smysl Network site as well as the application of it as a tool for the transfer of meaning information between technological platforms.

T.Yu. Krukovskaya, V.P.Sizikov. *Transfer's of knowledge's and technologies in formation and development of information society.*

The model of elements of information society is presented. It is the cognitive analysis q-connectivity of structure of model. Necessity of new transfer's of knowledge's and technologies is justified.

V.I. Razumov, V.P.Sizikov. *Automation of reasoning and concept of intellectual machines.*

There is proposed a solution of technology transfer problems on the basis of the synthesis developed in the theory of dynamic information systems. The actuality of this is substantiated by analysis of the intelligent/ intellectual machines stories with access to the nomological level for the automation of reasoning in DIS machines.

N.A. Semeniuk. *Methodological aspects of formation of professional competence of a research engineer in the field of nanotechnology.*

The basic level of competence, to develop a coherent formation of professional competence of engineers and researchers in the field of nanotechnology. The model of formation of professional competencies in the field of nanotechnology industry.

S.V. Yanchy . Integration methods for organizing monitoring of the conditions of labor in the enterprise.

Increase of management efficiency by safe working conditions, according to the author, is possible by means of integration of some methods of the organization of control of a condition of conditions and labor protection, in particular: security audit, certifications of workplaces for working conditions, production control. The questionnaire «Leaf of an assessment of security audit», allowing to integrate methods of the organization of control of a condition of conditions and labor protection is developed. As a result there was an opportunity to reveal existence of dangerous actions and dangerous conditions on enterprise workplaces, and also to concretize by types of category of supervision.

Научное издание

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Сборник научных трудов

Подписано к печати 01.03.2013 г.
Формат 60 x 90 ¹/₁₆. Бумага писчая
Оперативный способ печати
Гарнитура Times New Roman Cyr
Усл. п.л. 23,5; уч.-изд. л. 17,9
Тираж 300 экз. Заказ №
Цена договорная

Отпечатано в подразделении оперативной полиграфии УМУ СибАДИ
644080, пр. Мира, 5