
Analyses the changes in industrial science happened in 1992-2014 years, main parameters of science activity, problems and achievement of Rosmorrechflot’s subordinate high schools. Describes the features of the projects of the Strategy of scientific-technological development of Russia in the long term.

Key words: science activity, educational organizations, effective cooperation.

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Analyses the role of Siberian region’s river field in the system of international transport communications. Describes the main fleet types which work on transportations to the regions of far North and Arctic coast. Offers the variants of cargo delivery to the points on small Siberian rivers. Enumerates actual problems of the field.

Key words: Siberian river transport, international transport communications, actual problems of the field.

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Describes the reasons of creating ferry-transport logistics system for cargo transportations.

Key words: scheme of logistics, cargo transportations, river transpport, transport optimization.

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Analyses passenger transportations in Enisey river basin. Shows the results of economical comparison of routing and non-routing schemes of shipping with taking into account the costs for transport infrastructure and fleet renewal.
Key words: Enisey river basin, passenger transportations, schemes of shipping.
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Makes the analysis of current state of the field of extraction and shipping non-metallic building materials by river transport organizations. Describes the perspectives of its development.
Key words: non-metallic building materials, extraction, shipping, perspectives of development.
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Describes the results of the cycle of channel researches on river Oka below Serpukhov city, on the site of exploitation of a new run-of-river quarry aimed at detailed study of it’s influence on re-form mode of the lowland river’s channel.
Key words: run-of-river quarry, channel-forming loads sediment, channel’s technogenic transformation, flow’s speed field, sediment load.
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Describes the results of numerical study of sprayed fuel’ characteristics during high injection pressures and of experiment of blowing produced in this conditions fuel’s drops in oscillating air environment.
Key words: diesel, atomization characteristics, blowout weighted fuel drops.
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The imitation model based on Petri’s nets describes as the diagnostics tool for serviceability of reloading equipment. Shows descriptions for units, elements, structural logical relations.
Key words: imitation model, reloading equipment, diagnostics, Petri’s networks, sub-network.
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Describes the system of decision making in operational management of fleet’s working. Offers the functional system’s enlarged algorithm – with several variants of realization of the unit responsible for the fleet’s modeling in each scheme of cargo flows development.

Key words: system for support decision making, fleet’s working modeling, operational management, continuous planning.

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