

**ANNOTATIONS**  
**of science works published in international magazine**  
**«River transport (XXI<sup>st</sup> century)» 1(85)'2018**

The problems of using systems of decision making support on river transport/ A. Platov, Y. Platov// *River transport (XXI<sup>st</sup> century)*.2017. – №1 (85) – p. 22-24.

Describes reasons of inactive using analytical informational technologies for support decision making while process of management fleet's work.

**Key words:** decision making support systems, analytical informational technologies, management of fleet's work, river transport.

**Contacts:** platoff@mail.ru

**The features of creating effective system of accounting and control unmanned robotic objects and ships on inland water ways / V. Karetnikov, G. Chistyakov, V. Bekryashev // *River transport (XXI<sup>st</sup> century)*.2018. – № 1 (85) – p. 28-29.**

Describes the principles of forming algorithm of accounting and distant control by using system «ERA-GLONASS»

unmanned ships and objects on inland water ways.

**Key words:** inland water ways, unmanned ships and objects, unmanned technologies on water transport, system «ERA-GLONASS».

**Contacts:** kaf\_svvp@gumrf.ru, rivermap@volgo-balt.ru

**The principle of determination sheet piling's optimal immersion depth to reduce filtration back pressure on hydraulic engineering construction / Y. Bik, V. Degtyareva // *River transport (XXI<sup>st</sup> century)*.2018. – № 1 (85) – p. 34-35.**

Describes the ways of protection hydraulic structures from antifiltration pressure.

**Key words:** filtration back pressure, sheet piling.

**Contacts:** yibik@mail.ru, vvbik@mail.ru

**The prerequisites of using customer-centric model to forming river transport cargo transportations tariffs / D. Popkova // *River transport (XXI<sup>st</sup> century)*.2018. – № 1 (85) – p. 36-38.**

Analyses prerequisites to form river transport cargo transportations tariffs with the help of customer-centric model.

**Key words:** forming tariffs, competitiveness of river transport, cargo transportations, customer-centric model.

**Contacts:** d.v.popkova@nsawt.ru

**The principle of cargo transportations schemes optimization for eastern basins main rivers' inflows / M. Sinitsyn // River transport (XXI<sup>st</sup> century).2018. – № 1 (85) – p. 38-39.**

Describes the author's method for substantiation optimal scheme of cargo transportation on the side of the river; the best ways to fix large-tonnage fleet on low-tonnage.

**Key words:** large- and low-tonnage fleet, cargo transportation, small rivers, schemes of delivery.

**Contacts:** mihail\_sinitsyn@mail.ru

**The competent state policy as the effective way to solve transport problems of the Far North / V. Buneev, V. Vinichenko, S. Maslennikov // River transport (XXI<sup>st</sup> century).2018. – № 1 (85) – p. 40-43.**

Substantiates the necessity of forming competent state policy in transport field with the aim to effective solving problems of transport support regions of the Far North.

**Key words:** the Far North, transport support, development, efficiency, strategy.

**Contacts:** v.m.buneev@nsawt.ru, vika\_06.07@mail.ru, s.n.m@bk.ru

**The principle of operation of the transport and logistics system using water communication / A. Boykov, V. Fomin, D. Kulapat // River transport (XXI<sup>st</sup> century).2018. – № 1 (85) – p. 43-45.**

Describes the economical-mathematical model of transport and logistics system of cargo delivery on marine and inland water ways. Compares variants of multimodal transportations using different areas of cargo line.

**Key words:** transport and logistics system, cargo line, marine and inland water ways.

**Contacts:** boykovalexey@bk.ru, koolaput@icloud.com

**The algorithms of controlling ship with wheel-propulsion steering complex and thruster / L. Grosheva, V. Plyshaev // River transport (XXI<sup>st</sup> century).2018. – № 1 (85) – p. 45-49.**

Describes the algorithms of controlling ship with wheel-propulsion steering complex and thruster; researches its dynamic characteristics while using them.

**Key words:** ship, wheel-propulsion steering complex, thruster, ships' dynamic characteristics, algorithms of control.

**Contacts:** \*vip@vgavt-nn.ru

**The estimation of floating crane's (KPL-16-30) service life by analyzing its metal constructions's defects / A. Yablokov // River transport (XXI<sup>st</sup> century).2018. – № 1 (85) – p. 50-54.**

Describes the method of estimation durability of floating crane's metal constructions by analyzing their real exploitation loading. Formes science substantiated approach to solve problem of service life prolongation of spent normative period machines.

**Key words:** mechanics of damaged environment, floating crane, metal constructions, durability, service life, stressstrain state, fatigue life.

Contacts: alex-vodnik@mail.ru

**Strategic planning of cargo forwarding company's market activity based on elements of game theory / A. Galin, V. Ruzin // River transport (XXI<sup>st</sup> century).2018. – № 1 (85) – p. 55-58.**

Describes the problem of applicability of game theory elements to strategic planning of cargo forwarder's market activity under conditions of heavy competition on cargo forwarding market.

**Key words:** transport logistics, cargo forwarding, game theory.

**Contacts:** galinav@gumrf.ru, salmi123@mail.ru