

**ANNOTATIONS**  
**of science works published in international magazine**  
**«River transport (XXI<sup>st</sup> century)» 2(86)'2018**

**The monitoring of AIDS to navigation on Volgo-Balt channel by AIS technology / E. Brodskiy, R. Modeev // River transport (XXI<sup>st</sup> century).2018. – № 2(86) – p. 34-37.**

Describes the results of testing AIS technology and comparison analysis of monitoring systems with real and virtual AIDS to navigation; defines the problems of their integration.

**Key words:** real and virtual AIDS to navigation, AIS, ECDIS.

**Contacts:** brodsky@volgo-balt.spb.ru, Roman.Modeev@transas.com

**The problem of identification hydraulic structures / Y. Bik, Y. Pivon // River transport (XXI<sup>st</sup> century).2018. – № 2 (86) – p. 38-39.**

Describes actual legal inconsistencies of active normative base.

**Key words:** hydraulic structures, classification, normative base.

**Contacts:** yibik@mail.ru, pivon2011@mail.ru

**General principles of accounting exploitation restrictions while normalizing seaworthy characteristics coastal navigation ships / Y. Efimenkov, S. Girin, I. Gulyaev // River transport (XXI<sup>st</sup> century).2018. – № 2(86) – p. 44-47.**

Describes general principles of accounting exploitation restrictions while normalizing seaworthy characteristics coastal navigation ships.

**Key words:** coastal navigation ships, exploitation restrictions, permissible wave's height, remoteness from place of refuge, remoteness from shore, wind-wave conditions.

**Contacts:** efim253@mail.ru, smk@vgavt-nn.ru, guliaev@rivreg.ru

**The technology of modelling and control processes of containered refrigerated cargoes handling based on methods and models of increasing effectiveness / S. Sokolov, L. Pavlova // River transport (XXI<sup>st</sup> century).2018. – № 2(86) – p. 47-50.**

Describes the complex of methods to improve port service for containered refrigerated cargoes. Analyses technology of their processes control for the purpose of increasing effectiveness.

**Key words:** port, containered refrigerated cargoes, mathematical model, parameters of quality.

**Contacts:** sokolovss@gumrf.ru, lidiya\_pavlova13@mail.ru

**The ways of improving ship diesels' cooling systems / V. Zhukov, K. Vorobey, A. Pulyaev // River transport (XXI<sup>st</sup> century).2018. – № 2(86) – p. 50-53.**

Describes perspective ways of improving ship diesels' cooling systems; analyses factors which determine necessity of their modernization. Shows the results of realization of author's approach.

**Key words:** ship's diesel, cooling system, high-temperature cooling, reliability, economy, regulation of thermal state.

**Contacts:** va\_zhukov@rambler.ru, konstantinvorobey@yandex.ru, teormat@bk.ru

**The premises of creation system of control and management of river differential subsystem of system GLONASS/GPS / S. Shakhnov, A. Ivanova // River transport (XXI<sup>st</sup> century).2018. – № 2(86) – p. 53-56.**

Substantiates necessity of creation system of control and management of river differential subsystem of system GLONASS/GPS which realize continuous monitoring integrity of differential amendment's field with considering different noises and heterogeneity of underlying surface influence.

**Key words:** river differential subsystem of GNSS, functional addition, increasing shipping safety, inland water ways, control-correcting station.

**Contacts:** kaf\_svvp@gumrf.ru, ageevaalexandra.gumrf@gmail.com

**From optimal decisions – to typical / V. Nikiforov, S. Maslennikov, S. Kotkov// River transport (XXI<sup>st</sup> century).2018. – № 2(86) – p. 56-59.**

Describes the authour's massive of informational technologies as the base of creation typical technological processes of cargo transportations – most rational sequence of transport technologies.

**Key words:** technological process, transport technology, cargo transportation.

**Contacts:** vsnikiforov@indox.ru, s.n.m@bk.ru

**The analysis of causes of transport accidents in Obskiy basin and the ways to decreasing their quantity / O. Biryukova // River transport (XXI<sup>st</sup> century).2018. – № 2 (86) – p. 60-61.**

Shows the results of analysis of causes of transport accidents in 1998-2015 years in Obskiy basin with taking into account different factors. Describes the ways to decreasing quantity of such events.

**Key words:** water transport, water ways, accidents, safety of shipping, «human factor», Obskiy basin.

**Contacts:** olga260892@bk.ru