

**ANNOTATIONS of scientific articles published in international magazine  
«River transport (XXIst century)» № 6 (71)' 2014**

**Renovation of river fleet – major prerequisite of increasing inland water transport's effectiveness / A. Galay, V. Amelin, V. Fomin // River transport (XXIst century).2014 – № 6 (71). – p. 20-25**

Makes analysis of inland water transport's capital assets and ways to improve the situation.

**Key words:** river fleet, renovation, effectiveness, inland water transport.

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**Computer-aided control system of passenger wheeled ship / V. Plyuschaev, D. Galkin, S. Italyantsev // River transport (XXIst century).2014 – № 6 (71). – p. 35-37**

Describes the features of original computer-aided system for control and remote management of mechanisms and devices, created specially for passenger cruise ship with wheel moving-rule complex

**Key words:** ship with wheel moving-rule complex, computer-aided system for control and remote management.

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**Creating construction of methane tank of complex processing wastes ship / D. Mizgirev // River transport (XXIst century).2014 – № 6 (71). – p. 40-47**

Analyses features of existent constructions of biogase plant's methane tanks for anaerobic fermentation of sewage water's and food's wastes. Describes aspects of projection such plants on complex processing wastes ships.

**Key words:** complex processing wastes ships, biogase plants, projection and calculation of methane tanks.

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**Main constructive features of berthing facilities made of tubular welded pile/ Y. Bik, A. Broytman, V. Bobylskaya// River transport (XXIst century).2014 – № 6 (71). – p. 47-50.**

Analyses technical solutions used on erected berthing facilities and breast wall made of tubular welded piles, takes into account specific construction's conditions in Western Siberia and Extreme North. Describes modern resources for corrosion-resistant protection structure's elements.

**Key words:** sheet pile wall, tubular welded piles, tubular pile, corrosion of steel pile, corrosion-resistant protection, paint coat.

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**Calculation of noise immunity of radio channels of river differential subsystem of automatic system control of ship's traffic (on the example of Federal budget institution «Administration of Volga basin»)/ V. Karetnikov, A. Sikarev, S. Shakhnov// River transport (XXIst century).2014 – № 6 (71). – p. 50-54.**

Describes the calculation order of noise immunity of radio channels of river differential subsystem of automatic system control of ship's traffic of Federal budget institution «Administration of Volga basin». Takes into account different noise influences: interconnected – from related control-correction stations, industrial – from corona discharge (near overhead crossing transmission facilities) and electric vehicle (near railroad bridges).

**Key words:** automatic system control of ship's traffic, radio channels, probability of error, coefficient of mutual difference, interconnected noises.

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**Mobile system of control ship's traffic for increasing safety of water transport's exploitation / L. Borisova // River transport (XXIst century).2014 – № 6 (71). – p. 54-56.**

Offers the model for creating system of control ship's traffic in regions with intense navigation.

**Key words:** safety of navigation, mobile system of control ship's traffic.

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