

From Editor-in-Chief

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Dear Readers,

You have before you the eighth issue of the internationally reviewed scientific journal *Transactions on Maritime Science* published by the Faculty of Maritime Studies of the University of Split. As always, the Journal is published in printed and electronic, open access form. Our desire is for our readers to have an easy access at minimum expense.

This issue brings you papers from several scientific areas. The first, extremely interesting paper investigates an ability of system identification in difficult operating conditions. A simulation-based experiment was performed on a simple, second order system with noise signal superimposed to the output signal. The system was identified using conventional method with least squares estimate and an alternative method, a multi-layer perceptron network.

The paper from the field of maritime law explores the provisions of the Rotterdam Rules 2009 relating to the performing party in general and the maritime performing party in particular. The maritime performing party is a new concept introduced by the Rotterdam Rules. The central intention of that paper is to study and analyze the concept, legal standing and liability of a maritime performing party under the Rotterdam Rules.

Authors from Croatia and Belgium present us with the paper "Improving Energy Efficiency by Advanced Traffic Control Systems". The paper deals with inland transport. The authors present a demonstration corridor in the city of Zagreb and a simulation model based on the traffic data collected in real traffic situations developed.

Scientists from Montenegro and Croatia have contributed with the paper "Familiarisation aboard Ships of Croatian and Montenegrin Officers". The authors believe that familiarisation

includes technical skill related to ships'equipment and that familiarisation should last for more than a month. Familiarisation time and lack of familiarisation are considered as period of great risk of human error.

The aim of the paper "The Worldwide Tanker Shipping Market (2010 – 2020) Information Model" is to provide the information model for the worldwide tanker shipping market 2010 – 2020. The evaluation and analysis of the relevant variables of the model and the resulting growth rates are used to describe the most important theoretical principles of the worldwide tanker shipping market over the observed period of time.

The paper by Adelija Čulić-Viskota is based in part on an earlier publication on Standard Marine Communication Phrases development, but includes new chapters on sociolinguistic and cultural issues arising during pilot's taking the vessel into/out of harbour with tug assistance.

The "Contribution" section brings you the news from the International Maritime Organization from London, from the pen of our associate Tatjana Krilić. All the news from the past six months has been brought.

In the "Maritime heritage" section we have prepared a new contribution by a renowned journalist and publicist Marijan Žuvić entitled "Dalmatia: The Forgotten Milestone". You will also find news from different maritime branches.

We have also remained faithful to another area we wish to promote: the Croatian cultural heritage. Again a poem, this time written in the dialect spoken by the inhabitants of the island of Hvar. This contribution is presented in bilingual form: in the picturesque language of the author, Marica Gamulin and in the striking translation by Mirne Čudić.

We always hope that the papers we publish will encourage your cooperation.