

CONTENTS

Marine Engineering

1. **Kristijan Lenac:** Methods of reducing harmful pollutant emissions from ships 11-27
2. **Vinko Tomas, Ivica Šegulja, Dragan Čišić:** Possibilities and problems in applying contemporary maintenance strategies in maritime services 29-41
3. **Marko Valčić, Julije Skenderović:** Identification and simulation models of operating systems based on artificial neuron networks 43-64
4. **Dubravko Vučetić, Ivan Vlahinić:** The influence of serial inductance on the decrease of current harmonic distortion of line commutated frequency converters in electric propulsion system of ships 65-75

Marine Transport Technology

1. **Stipe Belak, D. Čičin-Šain:** Evolution of the terotechnology concept 79-87
2. **Juraj Bukša, Serdo Kos:** Analysis of the structure of transported containers in the Adriatic feeder service with a retrospect on the proportion and effect of empty containers on the service 89-99
3. **Dragan Čišić, Ana Perić:** The use of public private partnership model in port development 101-113
4. **Čedomir Dundović, Tanja Poletan, Ines Kolanović:** Implementation of the information-communication technologies in ports 115-123
5. **Blanka Kesić, Alen Jugović:** Use of maritime property in the economic development of shipping on the Adriatic 125-136
6. **Tanja Poletan:** Relevant indices of traffic growth and cargo flow dynamism on Paneuropean corridor V_B 137-157
7. **Kuzman Vujević:** Amortization from the aspect of cost, taxes and accounting 159-169

Nautical Sciences

1. **Juraj Bukša, Damir Zec:** Model of maritime risk assessment in a restricted area of navigation 173-193
2. **Pavao Komadina, Igor Rudan, Vlado Frančić:** A proposal for structuring monitoring and control systems of navigation in the traffic lane next to the port of Zadar 195-205
3. **Robert Mohović, Pavao Komadina, Dani Mohović:** A comparative analysis of different ship's technologies on transverse stability when the vessel is fully loaded with homogenous cargo 207-214

Social and Humanistic Sciences

1. **Mijo Biličić:** The case method in science and teaching 217-228
2. **Axel Luttenberger, Biserka Rukavina:** Conforming croatian rules on seafarers' identity documents to international law sources 229-240
3. **Olga Vučetić:** The battle of Trafalgar in poetry (honouring the 200th anniversary of the battle of Trafalgar) 241-249

Marine Ecology

1. **Gordan Grguric, David Vieira:** Controlling nitrate concentrations in large seawater facilities 253-462

Computer Science and Information Technologies

1. **Zoran Mrak, Dario Ogrizović:** INMARSAT - broadband global area network 265-274
2. **Boris Sviličić, Antun Kraš:** Computer systems privacy protection 275-284
3. **Mato Tudor, Dragan Martinović:** Program support testing 285-293