Review Articles
An overview of systems supplying water into the combustion chamber of diesel engines to decrease the amount of nitrogen oxides in exhaust gas
Leszek Chybowski, Rafal Laskowski... Pages 393-405

Optimization of diesel electric machinery system configuration in conceptual ship design
Siri Solem, Kjetil Fagerholt... Pages 406-416

Original Articles
Spectral analysis of waves produced by HSC for coastal management
G. Benassai, V. Piscopo, A. Scamardella Pages 417-428

A comparative study of deterministic and ensemble weather forecasts for weather routing
Lukas Skoglund, Jakob Kuttenkeuler... Pages 429-441

Counter-deformed design of ship structural parts using geometric shape deformation based on welding distortion estimation
Sang-Uk Cheon, Byung Chul Kim, Duhwan Mun Pages 442-453

Neural network-based adaptive control for a supercavitating vehicle in transition phase
Seonhong Kim, Nak won Kim Pages 454-466

Prediction of the vertical vibration of ship hull based on grey relational analysis and SVM method
Yu-mei Yin, Hong-yu Cui, Ming Hong, De-you Zhao Pages 467-474

Assessment of energy savings on power factor improvement of marine electrical systems
Chien-Hsing Lee, Shih-Hsien Hsu Pages 475-486

Positioning capability of anchor handling vessels in deep water during anchor deployment
Xiaopeng Wu, Giri Raja Sekhar Gunnu... Pages 487-504

Design and evaluation of an Integrated SCR and exhaust Muffler from marine diesels
Yue Chen, Lin Lv Pages 505-519

Wave tank experiments on the power capture of a multi-axis wave energy converter
Dahai Zhang, Aggidis George, Yifei Wang... Pages 520-529

Cumulative collapse of a ship hull girder under a series of extreme wave loads
Kazuhiro Iijima, Masahiko Fujikubo Pages 530-541

The use of COSMO-SkyMed© SAR data for coastal management
Guido Benassai, Maurizio Migliaccio... Pages 542-550

Analysis and design of a water pump with accumulators absorbing pressure pulsation in high-velocity water-jet propulsion system
Luo Xiaohui, Cao Shuping, Shi Wejie... Pages 551-558

Modeling and control of autonomous underwater vehicle (AUV) in heading and depth attitude via self-adaptive fuzzy PID controller
Mohammad Hedayati Khodayari, Saeed Balochian Pages 559-578

Military ship's subdivision optimization for reinforcement of anti-wind capacity after damage
Zhenwang Lyu, Kun Ma, Fei Liu Pages 579-589