Abstract

In this elementary work, all major aspects of marine propulsion and green shipping are going to be presented. It is the primary work that will be followed by experimental simulations in fuel consumption and the way that could be reduced in an attempt to adopt the "green" terminology in all shipping procedures.

References

1. http://www.tufinc.com/marine-azimuth-thruster-2.html
2. https://www.wartsila.com/encyclopedia/term/azipod-(azimuthing-podded-drive)
3. Patel M. R. (2012). Shipboard Propulsion, Power Electronics and Ocean Energy. pp. 254.
4. Green Ship of the Future (2009) “Green Ship magazine” pp. 7.
5. http://www.ecomarinepower.com/en/wind-and-solar-power-for-ships
6. Khoo, Y. K. K., & Ölçer A. İ. (2011). “Life-cycle impact analysis of green ship design/operation alternatives based on environmental and monetary aspects”. International Conference on Technologies, Operations, Logistics and Modelling for Low Carbon Shipping, (LCS 2011), 22-24 Ιουνίου, Γλασκόβη, UK
7. www.polb.com/greenship.
8. http://www.hercules-2.com/
9. Shipping world & Shipbuilder (2004) Vol. 205, pp. 85.
10. https://www.nyk.com/english/csr/envi/ecoship/
11. DNV (2012), “Fuel Cells for Ships, Research and Innovation Position Paper”, pp. 18
12. https://www.ship-technology.com/projects/viking-lady/
13. https://en.wikipedia.org/wiki/T%C3%BBranor_PlanetSolar
14. https://en.wikipedia.org/wiki/Beluga_Shipping
15. https://www.marinetraffic.com/en/ais/details/ships/shipid:385113/mmsi:319091000/imo:1009089/vessel:BELUGA
16. http://dione.lib.unipi.gr/xmlui/bitstream/handle/unipi/6513/MN08034.pdf?sequence=1&isAllowed=y

Index Terms

Computer Science  Information Systems

Keywords

Electrical Propulsion, renewable energy, marine systems, autonomous systems, green shipping