Name, academic position and degree

Dobrin Vladimirov Efremov, Assistant Prof., Dr.

Affiliation – research organization, department

Bulgarian Academy of Sciences, Institute of Metal Science, Equipment and Technologies „Acad. A. Balevski“ with Bulgarian Ship Hydrodynamic Centre - Varna

Education

19.05.2016 – **Assistant Prof.** : Bulgarian Academy of Sciences, Institute of Metal Science, Equipment and Technologies „Acad. A. Balevski“ with Bulgarian Ship Hydrodynamic Centre - Varna

18.09.2015 – **Dr.** : Bulgarian Academy of Sciences, Institute of Metal Science, Equipment and Technologies „Acad. A. Balevski“ with Bulgarian Ship Hydrodynamic Centre - Varna

2001/2010 – **Master engineer**: Naval Architect at Technical University – Varna

1996/2001 - Professional School of Economics Dr. Ivan Bogorov

Academic positions in the last five years

10.2009/09.2013 – **senior expert** : Bulgarian Academy of Sciences, Institute of Metal Science, Equipment and Technologies „Acad. A. Balevski“ with Bulgarian Ship Hydrodynamic Centre - Varna

09.2013/31.05.2016
Engineer - shipbuilding and repair
Bulgarian Academy of Sciences, Institute of Metal Science, Equipment and Technologies „Acad. A. Balevski“ with Bulgarian Ship Hydrodynamic Centre - Varna

From 01.06.2016
Assistant Prof. : Bulgarian Academy of Sciences, Institute of Metal Science, Equipment and Technologies „Acad. A. Balevski“ with Bulgarian Ship Hydrodynamic Centre – Varna

Main research area and subareas

Maneuverability, propulsion and control systems, maneuverability simulation

Additional research areas and subareas

Specializations abroad and international collaborations

ANSYS Convergence Conference - Workshop, 9-12 June 2015, Thessaloniki, Greece

Scientific awards and membership in scientific societies

First prize at the national competition “Young engineer of the year - 2012” by organizer “The FEDERATION OF THE SCIENTIFIC ENGINEERING UNIONS” (FSEU), October, 2013, Sofia

Member of Scientific and Technical Union - Varna

Name, used in publications in foreign language: ***Dobrin Efremov***

***H index (according to Scopus or Web of Science)**:*

***Internet address with list of scientific publications (ResearcherID, Research gate, etc.)**:*

Efremov D., *Influence of Curvilinear Motion of the Ship's Propeller Characteristics*, 11th Int. Conference on Marine Sciences and Technologies, Black Sea'2012, Proceedings of Conference, p.60-65, October 2012, Varna

Milanov E., Efremov D., *Simulation research of the transitional arrangements during maneuvering the ship*, Journal of the BAS, Vol. 5, p.13-22, 2012.

Milanov E., Efremov D., *Investigation of the wave pattern around the high-speed catamaran*, "DAYS OF THE MECHANICS IN VARNA", "Frederic Joliot-Curie" International House of Scientists, Resort "St. Constantine and Elena", Varna, Bulgaria, September, 2013.

Milanov E., Chotukova V., Efremov D., Stern F., *Systematic Experimental Investigation of Maneuvering Characteristics of Free Running Delft372 Catamaran in Still Water and Regular Waves*, 30th Symposium on Naval Hydrodynamics, 2-7 November 2014, Hobart, Tasmania, Australia

Milanov E., Chotukova V., Efremov D., *Simulation Model of Danube Pusher Manoeuvrability in Deep and Shallow Waterways*, "European Inland Waterway Navigation Conference", 10-12 September, 2014, Budapest, Hungary, ISBN 978-963-313-124-4
https://www.researchgate.net/publication/282870511_Simulation_Model_of_Danube_Pusher_Manoeuvrability_in_Deep_and_Shallow_Waterways

Milanov E., Chotukova V., Efremov D., Stoyanov S., *Critical loads of ship's rudder during extreme maneuvers*, "Fifth national conference with international participation materials science, hydro - and aerodynamics and national security '2015", section "Hydro - and Aerodynamics", Varna, October, 2015.
http://ims.bas.bg/wp-content/uploads/2015/05/K5_titul_sadarganie-2015.pdf

Efremov D., *Visualization of the wave pattern around high-speed catamaran by software environment "Matlab"*, "Fifth national conference with international participation materials science, hydro - and aerodynamics and national security '2015", section "Hydro - and Aerodynamics", Varna, October, 2015.
http://ims.bas.bg/wp-content/uploads/2015/05/K5_titul_sadarganie-2015.pdf

Milanov E., Chotukova V., Efremov D., Georgiev S., Zlatev Z. and Stern F., Chapter 2 – *Catamaran Manoeuvring in Still Water and Regular Waves*, STO-TR-AVT-216

Efremov D., *Experimental investigation of asymmetric behavior of propeller shafts during maneuvering of twin screw ship*, „Engineering sciences", Institute for metal science, equipment and technologies "ACAD. A. BALEVSKI" with Hydro – and Aerodynamics centre "– BAS , 2016

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Milanov E., Efremov D., *Simulation research of the transitional arrangements during maneuvering the ship*, Journal of the BAS, Vol. 5, p.13-22, 2012.

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Milanov E., Chotukova V., Efremov D., Stern F., *Systematic Experimental Investigation of Maneuvering Characteristics of Free Running Delft372 Catamaran in Still Water and Regular Waves*, 30th Symposium on Naval Hydrodynamics, 2-7 November 2014, Hobart, Tasmania, Australia

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Total number of scientific publications**: **9
From them with impact factor or impact rang**: **3
***Number of citations of the scientific publications**:*
Number of scientific publications in the last five years: 9
From them with impact factor or impact rang**: **3
***Number of citations of the scientific publications in the last five years**:*

Selected scientific publications in the field of the research project

E-mail address for registration in the database of the Bulgarian National Science Fund
d.efremov@bshc.bg

Participation in projects supported by BNSF in the last five years

Participation in projects supported by other sources in the last five years

Financing organization: **Bulgarian Academy of Sciences**
Type of the competition and year: **Research project - 2016**
Number or acronym of the project: **ДФНП -178 from 14.05.2016**
Title: **Theoretic-experimental investigation of asymmetric behavior of propeller shafts and rudders during maneuvering of twin screw ship**

Project coordinator: Dr, Dobrin Efremov
Status of the project: running