

Res. Asst. Süleyman DUMAN

Personal Information

Email: sduman@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/sduman>

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Faculty of Education, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2016 - Continues

Postgraduate, İstanbul Teknik Üniversitesi, Faculty of Education, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2014 - 2016

Undergraduate, Yıldız Teknik Üniversitesi, Naval Architecture and Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2009 - 2014

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, INVESTIGATION OF THE TURNING PERFORMANCE OF A SURFACE COMBATANT WITH URANS, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, 2016

Research Areas

Naval Architecture and Marine Engineering, Ship Hydromechanics, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, 2015 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Prediction of the acceleration and stopping manoeuvres of a bare hull surface combatant by closed-form solutions and CFD**
DUMAN S., Bal Ş.
Ocean Engineering, vol.235, 2021 (Journal Indexed in SCI)
- II. **A numerical and experimental study on the outrigger positioning of a trimaran hull in terms of resistance**
Yıldız B., Şener B., Duman S., Datla R.
OCEAN ENGINEERING, vol.198, 2020 (Journal Indexed in SCI)

- III. **A quick-responding technique for parameters of turning maneuver**
DUMAN S., Bal Ş.
OCEAN ENGINEERING, vol.179, pp.189-201, 2019 (Journal Indexed in SCI)
- IV. **A new URANS based approach on the prediction of vertical motions of a surface combatant in head waves**
Çakıcı F., Kahramanoğlu E., Duman S., Alkan A. D.
OCEAN ENGINEERING, vol.162, pp.21-33, 2018 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **LCG Effects on Resistance, Lift and Trim Characteristics of R/V Athena Hull**
Duman S., Şener B., Bal Ş.
International Journal of Small Craft Technology, vol.160, pp.43-55, 2018 (Refereed Journals of Other Institutions)
- II. **Prediction of the turning and zig-zag maneuvering performance of a surface combatant with URANS**
DUMAN S., Bal Ş.
OCEAN SYSTEMS ENGINEERING-AN INTERNATIONAL JOURNAL, vol.7, no.4, pp.435-460, 2017 (Journal Indexed in ESCI)
- III. **Deniz Sektöründe Kullanılan Kompozit Malzemelerin Mekanik Özelliklerinin Belirlenmesi için Basit Bir Deney Düzeneği**
SEZEN S., Duman S., Kaplan O., Ünsan Y., Korkut E.
İTÜ E-DERGİ, 2015 (National Non-Refereed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Prediction of maneuvering coefficients of Delft catamaran 372 hull form**
Duman S., Bal Ş.
18th International Maritime Association of the Mediterranean, Varna, Bulgaria, 9 - 11 September 2019, pp.167-174
- II. **PROPELLER EFFECTS ON MANEUVERING OF A SUBMERGED BODY**
DUMAN S., SEZEN S., BAL Ş.
A. Yücel Odabaşı Colloquium Series 3rd International Meeting, İstanbul, Turkey, 15 November 2018, pp.63-70
- III. **Numerical Simulation of Dynamic Maneuvering of a Surface Combatant Using Overset Grid Method**
DUMAN S., ÇAKICI F., BAL Ş.
INT-NAM 2018, İstanbul, Turkey, 24 April 2018, pp.1-13
- IV. **Computational Prediction of Hydrodynamic Coefficients for Heave Motion**
ÇAKICI F., KAHRAMANOĞLU E., DUMAN S., ALKAN A. D.
INT NAM 2018, İstanbul, Turkey, 24 April 2018, pp.1-14
- V. **URANS Approach in Hull-Propeller-Rudder Interaction of a Surface Combatant at High Speed**
DUMAN S., SEZEN S., BAL Ş.
11th SYMPOSIUM ON HIGH SPEED MARINE VEHICLES, Napoli, Italy, 25 October 2017, no.9, pp.1-10
- VI. **Performance Prediction of a Planing Vessel Using Dynamic Overset Grid Method**
DUMAN S., ŞENER B., BAL Ş.
11th SYMPOSIUM ON HIGH SPEED MARINE VEHICLES, Napoli, Italy, 25 October 2017, no.10, pp.1-10
- VII. **NUMERICAL INVESTIGATIONS OF SCALE EFFECTS ON MANEUVERING COEFFICIENTS OF DTMB 5415 HULL**
DUMAN S., Bal Ş.
1ST INTERNATIONAL CONGRESS ON SHIP AND MARINE TECHNOLOGY, İstanbul, Turkey, 08 December 2016, pp.459-474
- VIII. **On The Uncertainty Analysis of DTMB5415 for Form Factor Prediction**
DUMAN S., DOĞRUL A., KAHRAMANOĞLU E.

The Second International Global Maritime Conference (GMC 2016), 24 - 25 October 2016, pp.169-179

IX. Numerical Investigation of Viscous Effects on the Static PMM Tests of Ships

DUMAN S., Bal Ş.

A. Yücel ODABAŞI Colloquium Series - 2nd International Meeting, İstanbul, Turkey, 17 November 2016, pp.89-97

X. On The Uncertainty Analysis of DTMB5405 for Form Factor Prediction

DUMAN S., DOĞRUL A., KAHRAMANOĞLU E.

II. Global International Conference on Innovation in Marine Technology and the Future of Maritime Transportation, 24 - 25 October 2016

Supported Projects

Ekinci S., Duman S., Project Supported by Higher Education Institutions, Experimental Investigation of Maneuvering Characteristics of a Catamaran Ship, 2019 - 2021

Duman S., Bal Ş., Project Supported by Other Official Institutions, Development of Maneuvering Mathematical Model of Multipurpose Amphibious Attack Ship, 2019 - 2020

ŞENER B., YILDIZ B., DUMAN S., Project Supported by Higher Education Institutions, Su üstü muharip gemilerinin parametrik form tasarımı ve manevra performansının sayısal olarak incelenmesi, 2017 - 2020

Çakıcı F., Yılmaz H., Duman S., Doğrul A., Yıldız B., Kahramanoğlu E., Avcı A. G. , Demir Ö., Technopark, 92 metre Korvet İçin Gürültü, Hidrodinamik, Yapısal ve Şok Analizler projesinde danışmanlık hizmeti vermek üzere, 2019 - 2019

Çakıcı F., Yılmaz H., Duman S., Doğrul A., Yıldız B., Avcı A. G. , Project Supported by Other Private Institutions, 92 metre Korvet İçin Hidrodinamik Analizler projesinde danışmanlık hizmeti vermek üzere, 2019 - 2019

Memberships / Tasks in Scientific Organizations

RINA, Associate Member, 2016 - Continues, United Kingdom

Scientific Refereeing

JOURNAL OF MARINE SCIENCE AND APPLICATION, SCI Journal, February 2020

Citations

Total Citations (WOS):21

h-index (WOS):3

Scholarships

2211-A YURT İÇİ DOKTORA BURSUSU, TUBITAK, 2016 - Continues