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Education Information

Doctorate, Yildiz Technical University, Graduate School of Natural and Applied Sciences, -, Turkey 1987 - 1994

Post Graduate, Yildiz Technical University, Graduate School of Natural and Applied Sciences, -, Turkey 1985 - 1987

Under Graduate, Yildiz Technical University, Naval Architecture and Maritime Faculty, Department of Naval Architecture and Marine Engineering, Turkey 1983 - 1985

Under Graduate, Dokuz Eylul University, Denizli Faculty Of Engineering, Turkey 1981 - 1982

Research Areas

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

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty of Mechanical Engineering, Department of Naval Architecture and Marine Engineering, 1986 - 1994

Advising Theses

ALKAN A. D. , Gemi Baş Formlarının Hidrodinamik Açidan İncelenmesi, Post Graduate, A.Ömer(Student), 2016

ALKAN A. D. , Anaysis of Influences of Materials used in Construction of Hull and Superstructure on Ship Characteristics, Doctorate, E.AÇIKEL(Student), 2016

ALKAN A. D. , Hızlı deplasman teknelerinin baştan gelen düzenli dalgalardaki hareketlerinin sayısal ve deneysel incelenmesi, Doctorate, F.ÇAKICI(Student), 2016

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

- I. **ON SELF-PROPULSION ASSESSMENT OF MARINE VEHICLES**
Kınacı Ö. K. , Gökçe M. K. , ALKAN A. D. , Kükner A.
BRODOGRADNJA, vol.69, pp.29-51, 2018 (Journal Indexed in SCI)
- II. **Optimal control design for reducing vertical acceleration of a motor yacht form**
ÇAKICI F., YAZICI H., ALKAN A. D.
OCEAN ENGINEERING, vol.169, pp.636-650, 2018 (Journal Indexed in SCI)
- III. **Self-propulsion estimations for a bulk carrier**
Gökçe M. K. , KINACI Ö. K. , ALKAN A. D.
SHIPS AND OFFSHORE STRUCTURES, vol.1, no.1, pp.1-8, 2018 (Journal Indexed in SCI Expanded)
- 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)

V. NUMERICAL PREDICTION OF VERTICAL SHIP MOTIONS AND ADDED RESISTANCE

Çakıcı F., Kahramanoğlu E., Alkan A. D.

INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.159, 2017 (Journal Indexed in SCI)

VI. PREDICTION OF THE VERTICAL MOTIONS OF THE DTMB 5415 SHIP USING DIFFERENT NUMERICAL APPROACHES

ÇAKICI F., Sukas O. F. , Kinaci O. K. , ALKAN A. D.

BRODOGRADNJA, vol.68, pp.29-44, 2017 (Journal Indexed in SCI)

VII. DETERMINATION OF RELATIONAL CLASSIFICATION AMONG HULL FORM PARAMETERS AND SHIP MOTIONS PERFORMANCE FOR A SET OF SMALL VESSELS

ŞAYLI A., Alkan A. D. , AYDIN M.

Brodogradnja, vol.67, pp.1-15, 2016 (Journal Indexed in SCI)

VIII. AUTOMATIC ELIMINATION OF SHIP DESIGN PARAMETERS BASED ON DATA ANALYSIS FOR SEAKEEPING PERFORMANCE

ŞAYLI A., ALKAN A. D. , UYSAL A. O.

BRODOGRADNJA, vol.65, pp.15-33, 2014 (Journal Indexed in SCI)

IX. Nonlinear meta-models for conceptual seakeeping design of fishing vessels

ŞAYLI A., ALKAN A. D. , GANILER O.

OCEAN ENGINEERING, vol.37, pp.730-741, 2010 (Journal Indexed in SCI)

X. Seakeeping assessment of fishing vessels in conceptual design stage

Sayli A., Alkan A. D. , NABERGOJ R., UYSAL A. O.

OCEAN ENGINEERING, vol.34, pp.724-738, 2007 (Journal Indexed in SCI)

XI. Design of a robust neural network structure for determining initial stability particulars of fishing vessels

Alkan A. D. , Gulez K., Yilmaz H.

OCEAN ENGINEERING, vol.31, pp.761-777, 2004 (Journal Indexed in SCI)

Articles Published in Other Journals

I. Determination of Transverse Stability Properties of Yachts between 20 and 60 m in Length during Concept Design Stage by Employing Residual Stability Method

AÇIKEL E., ALKAN A. D.

GMO JOURNAL OF SHIP AND MARINE TECHNOLOGY, vol.23, no.23, pp.45-61, 2017 (Refereed Journals of Other Institutions)

II. Yerli Üretim Gemi Dizel Motorlarının %100 Doğal Gaz Yakıtına Dönüşümünü Gerçekleştirebilen Alternatif Üstün Bir Yanma Mekanizması

MEHDİYEV R., ALKAN A. D. , ÜNAR M., KARATAŞ Ö.

GMO JOURNAL OF SHIP AND MARINE TECHNOLOGY, vol.23, no.207, pp.49-65, 2017 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. Proceedings of the 3rd International Naval Architecture and Maritime Symposim

ALKAN A. D.

Yıldız Teknik Üniversitesi, İstanbul, 2018

II. Proceedings of the 1st International Congress on Ship and Marine Technology 2016 “Green Technologies”, Ed: Prof.A.D.Alkan, UCTEA Turkish Chamber of Naval Architects and Marine

Engineers, 08-09 December 2016, İstanbul.

ALKAN A. D.

Tmmob Gemi Mühendisleri Odası, İstanbul, 2017

III. PROCEEDINGS OF 23th WORLD ENERGY CONGRESS 2016 ISTANBUL - RESEARCH PAPERS: AWARD WINNER PAPERS

ALKAN A. D.

New-Old Media, 2016

IV. Proceedings of the 2nd International Symposium on Naval Architecture and Maritime

ALKAN A. D.

Yıldız Teknik Üniversitesi, 2014

V. GEMİ İNŞAATI VE DENİZ TEKNOLOJİSİ KONGRESİ 2012

ALKAN A. D. , Aydın M., Çelebi U.

Tmmob Gemi Mühendisleri Odası, 2012

VI. First International Symposium on Naval Architecture and Maritime (INT-NAM 2011)

ALKAN A. D.

Ytü, 2011

Refereed Congress / Symposium Publications in Proceedings

I. 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

II. From Design Stage to Operational Performance of an Innovative Lightweight Composite Catamaran

ALKAN A. D.

11TH INTERNATIONAL SYMPOSIUM ON HIGHG SPEED VEHICLES, Napoli, Italy, 25 October 2017, vol.1, no.1, pp.1-15

III. DENİZDE KONFOR DEĞERLENDİRME METOTLARINA GENEL BİR BAKIŞ

ÇAKICI F., ALKAN A. D.

GMO-SHIPMAR, İstanbul, Turkey, 08 December 2016, pp.100-110

IV. Cost Impact of Green Ship Requirements

ALKAN A. D.

1st INTERNATIONAL CONGRESS ON SHIP AND MARINE TECHNOLOGY, İstanbul, Turkey, 08 December 2016, vol.1, no.1, pp.1-10

V. Linear and Nonlinear Based Ship Motions of a Naval Combatant Model

ÇAKICI F., SUKAS Ö. F. , KINACI Ö. K. , ALKAN A. D.

Ninth International Conference on Computational Fluid Dynamics, İstanbul, Turkey, 11 - 15 July 2016

VI. Crew Comfort Investigation for Vertical and Lateral Responses of a Container Ship

ÇAKICI F., YILDIZ B., ALKAN A. D.

The 12th International Conference on the Stability of Ships and Ocean Vehicles, GLASKOW, United Kingdom, 14 - 19 June 2015, vol.12, pp.999-1005

VII. Comfort on Board Analyses and Recommendations for Yachts

ALKAN A. D.

01 October 2014, vol.1, pp.1-7

VIII. Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi 2012

ALKAN A. D.

TMMOB Gemi Mühendisleri Odası, 01 December 2012, pp.535-541

IX. Data Analysis of Initial Conceptual Design Stage for Fishing Vessels

ALKAN A. D. , Ayşe Ö. U.

1st International Symposium on Naval Architecture and Maritime, YTU, İstanbul, 01 October 2012, vol.1, pp.271-276

- X. **Data Analysis for Conceptual Design Stage of Fishing Vessels**
ŞAYLI A., ALKAN A. D. , UYSAL A. O.
1st international Symposium on Naval Architecture and Maritime, İstanbul, Turkey, 24 October 2011, pp.271-275
- XI. **An Investigation and Assessment of the Importance of Research Project Studies and Team Work in the Naval Architecture Education**
ARIKAN ÖZDEN Y., TURAN E., ALKAN A. D.
International Conference on New Horizons in Education, Famagusta, Cyprus (Kkct), 23 June 2010, pp.57-61
- XII. **Çoklu Regresyon Analizlerini Kullanarak Öğrenen Yeni Bilgi Sistemi**
ŞAYLI A., ALKAN A. D. , UYSAL A. O.
Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Turkey, 16 November 2005, pp.25-29
- XIII. **Seakeeping Assessment of Fishing Vessels in Preliminary Design Stage**
ŞAYLI A., ALKAN A. D. , NABERGOJ R., UYSAL A. Ö.
10 th Int. Symposium on Technics and Technology in Fishing Vessels, Ancona, Italy, 14 May 2005, pp.1-22
- XIV. **A Dynamic Multiple Regression Analysis System Based On Ship Databases**
ŞAYLI A., ALKAN A. D. , TRINCAS G., UYSAL A. O.
10 th Int. Symposium on Technics and Technology in Fishing Vessels, Ancona, Italy, 14 May 2005, pp.51-57
- XV. **A Useful Application Tool Derived From The Practical Stability Criteria For Fishing Vessels**
YILMAZ H., ALKAN A. D.
6th International Symposium on Technics and Technology in Fishing Vessels, Ancona, Italy, 15 May 1997, pp.128-140
- XVI. **An Approximated Method For The Stability of Fishing Vessels**
ALKAN A. D. , YILMAZ H.
International Symposium on Technics and Technology in Fishing Vessel, Ancona, Italy, 15 May 1995, pp.30-44
- XVII. **An Investigation of Comfort on Board Calculations for a Passenger Catamaran and Mega Yacht Hulls**
ÇAKICI F., Sukas Ö. F. , Alkan A. D.
Int-Nam 2014, İstanbul, Turkey, vol.2, pp.589-594
- XVIII. **A Computational Investigation of a Planing Hull in Calm Water by U-RANSE Approach**
ÇAKICI F., Sukas Ö. F. , Usta O., Alkan A. D.
İzmir Katip Celebi University, İzmir, Turkey, pp.20
- XIX. **Linear and Nonlinear Computations of Seakeeping Abilities of a Containership**
ÇAKICI F., Sukas O. F. , Kınacı O. K. , ALKAN A. D.
ICCFD 2016, İstanbul, Turkey, pp.35

Supported Projects

ALKAN A. D. , KAHRAMANOĞLU E., KINACI Ö. K. , ÇAKICI F., Project Supported by Higher Education Institutions, Bir gemi formunun düzenli dalgalarındaki hareketlerinin farklı matematiksel yöntemlerle incelenmesi, 2015 - 2017
ALKAN A. D. , EU Supported Other Project, Virtual Integrated Partnering (VIP) for SME service, technology and information providers in the European maritime sector, 2011 - 2014
ALKAN A. D. , TUBITAK Project, Gemilerde Balast Sularının Uluslararası Normlarda Dezenfeksiyonu, 2010 - 2012

Scientific Refereeing

Ships & Offshore Structures, SCI Journal, August 2015
Ocean Engineering, SCI Journal, July 2015
Ships & Offshore Structures, SCI Journal, July 2015
Inter J Nav Archit Oc Engng, SCI Journal, July 2015
Gemi İnşaatı (Brodogradnja/Shipbuilding), SCI Journal, January 2015
Deniz yapıları - Dergi - Elsevier, SCI Journal, October 2013

Gemi İnşaatı (Brodogradnja/Shipbuilding), SCI Journal, October 2013
19th International Conference HYDRONAV'2012, Polonya, SCI Journal, November 2012
4th International Symposium MANOEUVRING\ '2012, Poland, SCI Journal, September 2012
Gemi İnşaatı (Brodogradnja/Shipbuilding), SCI Journal, August 2012
Gemi İnşaatı (Brodogradnja/Shipbuilding), SCI Journal, June 2012
Intl J of Maritime Engineering 2011 Apr-Jun, SCI Journal, August 2011
9th Symposium on High Speed Vessels, SCI Journal, January 2011

Invited Congress and Symposium Activities

Alkan, A.D., "Competitive role of Trans-Eurasia Region for Marine Equipment", EC Actions on Marine Equipment and Potential of Trans-Eurasia Region, Turkish Ministry of Transport , EMEC - GESAD, Ataköy, İstanbul.26 May 2010., Attendee, İstanbul, Turkey, 2010

Citations

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