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Education Information

Doctorate, Brunel University, Mechanical Engineering Department, Mechanical Engineering, United Kingdom 1989 - 1993

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 1984 - 1986

Undergraduate, Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Pr., Turkey 1980 - 1983

Undergraduate, İstanbul Technical University, Makine Mühendisliği Bölümü, Makine Mühendisliği, Turkey 1979 - 1980

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Measurements and Numerical Modelling of Natural Convection in a Stairwell Model, Brunel University, Mechanical Engineering Department, 1993

Postgraduate, İki Boyutlu Navier-Stokes Denklemlerinin Çözümü, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 1986

Research Areas

Mechanical Engineering, Thermodynamics, Heat and Mass Transfer, Naval Architecture and Marine Engineering, Ship Machines, Engineering and Technology

Academic Titles / Tasks

Professor, İstanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği, 2005 - Continues

Associate Professor, İstanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği, 1997 - 2005

Assistant Professor, İstanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği, 1993 - 1997

Assistant Professor, Cukurova University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü (İngilizce), 1993 - 1993

Research Assistant, Cukurova University, Mühendislik-Mimarlık Fakültesi, 1986 - 1993

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Gemi İnşaatı Ve Deniz Bilimleri Fakültesi, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Bölümü, 1996 - 2000

Published journal articles indexed by SCI, SSCI, and AHCI

- I. An investigation on hydro-acoustic characteristics of submerged bodies with different geometric parameters
Bulut S., Ergin S.
Continuum Mechanics and Thermodynamics, vol.35, no.3, pp.1123-1146, 2023 (SCI-Expanded)
- II. Possible approaches to the study of emissions from ships during their operations in ports
Ergin S., Mocerino L., Quaranta F.
Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2023 (SCI-Expanded)
- III. Thermo-economic optimization of an ORC system for a dual-fuel marine engine
Akman M., Ergin S.
Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2023 (SCI-Expanded)
- IV. An investigation of the cooling, heating and power systems integration with carbon capture and storage for LNG carriers
Güler E., Ergin S.
Ships and Offshore Structures, 2023 (SCI-Expanded)
- V. Experimental investigation on the hydro-acoustic characteristics of tandem cylinders with equal diameters
Bulut S., Ergin S.
Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2023 (SCI-Expanded)
- VI. Experimental and numerical investigation on the urea-deposit formation at different severities in selective catalytic reduction systems
Canyurt T. G., Ergin S., Zeren H. B., Savci I. H.
APPLIED THERMAL ENGINEERING, vol.214, 2022 (SCI-Expanded)
- VII. Numerical investigation on the effects of different heating systems and coil tube arrangements on the free convection heat transfer in a confined space filled with high viscosity fluid
Şahin K., Ergin S.
THERMAL SCIENCE AND ENGINEERING PROGRESS, vol.26, 2021 (SCI-Expanded)
- VIII. Thermo-environmental analysis and performance optimisation of transcritical organic Rankine cycle system for waste heat recovery of a marine diesel engine
Akman M., Ergin S.
SHIPS AND OFFSHORE STRUCTURES, vol.16, no.10, pp.1104-1113, 2021 (SCI-Expanded)
- IX. Numerical investigation of geometrical parameters on the hydrodynamic noise characteristics of submerged bodies and comparisons with experiments
Bulut S., Ergin S.

- PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.235, no.4, pp.866-884, 2021 (SCI-Expanded)
- X. An investigation on the solvent based carbon capture and storage system by process modeling and comparisons with another carbon control methods for different ships
Güler E., Ergin S.
International Journal of Greenhouse Gas Control, vol.110, 2021 (SCI-Expanded)
- XI. An experimental investigation on the effects of fuel additive on the exhaust emissions of a ferry
Ergin S., Durmaz M., Kalender S. S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.233, no.4, pp.1000-1006, 2019 (SCI-Expanded)
- XII. An investigation of marine waste heat recovery system based on organic Rankine cycle under various engine operating conditions
Akman M., Ergin S.
Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, vol.233, no.2, pp.586-601, 2019 (SCI-Expanded)
- XIII. An investigation of exhaust smoke dispersion for a generic frigate by numerical analysis and experiment
Dobrucali E., Ergin S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.233, no.1, pp.310-324, 2019 (SCI-Expanded)
- XIV. An Experimental Investigation on the Effects of Fuel Additive to the Exhaust Emissions of a Ferry accepted for publication on September 19th, 2018
Ergin S., Durmaz M., Kalender S. S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, pp.1-21, 2018 (SCI-Expanded)
- XV. AN EXPERIMENTAL INVESTIGATION INTO THE PARTICULATE EMISSIONS OF A FERRY FUELLED WITH ULTRA-LOW SULFUR DIESEL
Kalender S. S., Ergin S.
JOURNAL OF MARINE SCIENCE AND TECHNOLOGY-TAIWAN, vol.25, no.5, pp.499-507, 2017 (SCI-Expanded)
- XVI. EXPERIMENTAL STUDY ON THE EFFECTS OF ULTRA-LOW SULFUR DIESEL FUEL TO THE EXHAUST EMISSIONS OF A FERRY
Durmaz M., Kalender S. S., Ergin S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.10, pp.5833-5840, 2017 (SCI-Expanded)
- XVII. A study of the effect of duct width an fully developed turbulent flow characteristics in a corrugated duct
Ergin S., OTA M.
HEAT TRANSFER ENGINEERING, vol.26, no.2, pp.54-62, 2005 (SCI-Expanded)
- XVIII. Numerical study of periodic turbulent flow through a corrugated duct
Ergin S., Ota A., Yamaguchi H.
NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, vol.40, no.2, pp.139-156, 2001 (SCI-Expanded)
- XIX. Surface radiation with conduction and natural convection in a two-floor enclosure
Ergin S.
ENERGY AND BUILDINGS, vol.32, no.1, pp.57-70, 2000 (SCI-Expanded)
- XX. EXPERIMENTAL-STUDY OF NATURAL-CONVECTION BETWEEN 2 COMPARTMENTS OF A STAIRWELL
ERGINOZKAN S., MOKHTARZADEHDEHGHAN M., REYNOLDS A.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.38, no.12, pp.2159-2168, 1995 (SCI-Expanded)
- XXI. NATURAL-CONVECTION BETWEEN 2 COMPARTMENTS OF A STAIRWELL - NUMERICAL PREDICTION AND COMPARISON WITH EXPERIMENT
MOKHTARZADEHDEHGHAN M., ERGINOZKAN S., REYNOLDS A.
NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, vol.27, no.1, pp.1-17, 1995 (SCI-Expanded)
- XXII. The Effect of Different Air Inlet Sizes on the Air Flow through a Stairwell

Articles Published in Other Journals

- I. **Koster, Koster Armatörleri ve İşletmecileri Dergisi**
GÜLER E., ERGİN S.
Koster, Koster Armatörleri ve İşletmecileri Dergisi, vol.7, no.24, pp.30-132, 2022 (Peer-Reviewed Journal)
- II. **Numerical and experimental investigation on the drive mechanisms of Alfa type Stirling engines**
METE S., ERGİN S.
International Journal of Sustainable Energy, vol.41, no.10, pp.1548-1571, 2022 (ESCI)
- III. **Thermodynamic, Economic and Environmental Analysis of a Solid Oxide Fuel Cell as Auxiliary Power Source for a Coaster**
Güler E., Ergin S., Barlas B.
Gemi ve Deniz Teknolojisi, no.220, pp.86-107, 2021 (Peer-Reviewed Journal)
- IV. **Effects of Temperature, Salinity, and Fluid Type on Acoustic Characteristics of Turbulent Flow Around Circular Cylinder**
Bulut S., Ergin S.
JOURNAL OF MARINE SCIENCE AND APPLICATION, vol.20, no.2, pp.213-228, 2021 (ESCI)
- V. **A Numerical Analysis of Exhaust Smoke Dispersion for a Generic Frigate**
Dobrucali E., Ergin S.
JOURNAL OF ETA MARITIME SCIENCE, vol.5, pp.272-289, 2017 (Peer-Reviewed Journal)
- VI. **Numerical modeling of exhaust smoke dispersion for a generic frigate and comparisons with experiments**
Ergin S., DOBRUCALI E.
Journal of Marine Science and Application, vol.13, no.2, pp.206-211, 2014 (Scopus)
- VII. **İTÜ ye İSTKA Destekli Laboratuvar**
ERGİN S.
Gemi Sanayi, vol.8, pp.38-42, 2014 (Peer-Reviewed Journal)
- VIII. **Gemisyon İSTKA Destekli Akredite bir Gemi Emisyonları Laboratuvarı Geliştirilmesi ve BİT Destekli Eğitim Projesi**
ERGİN S.
Denizcilik Dergisi, pp.14-18, 2014 (Non Peer-Reviewed Journal)
- IX. **Tipik bir Firkateyn için Egzoz Gazları Yayılımının İncelenmesi**
DOBRUCALI E., ERGİN S.
Gemi ve Deniz Teknolojisi, pp.16-22, 2012 (Peer-Reviewed Journal)
- X. **Savaş Gemilerinde Gemi Üst Yapısı ve Egzoz Gazları Arasındaki Etkileşimin Sayısal Olarak İncelenmesi**
ERGİN S., PARALI Y.
Gemi ve Deniz Teknolojisi, 2010 (Peer-Reviewed Journal)
- XI. **Dizel Motorlar iç n Egzoz Emisyon Azaltma Sistemi**
ERGİN S.
Deniz Ticareti, pp.80-82, 2007 (Peer-Reviewed Journal)
- XII. **Gemi Dizel Motorları için Geliştirilen Egzoz Emisyon Kontrol Sistemi**
ERGİN S.
Gemi ve Deniz Teknolojisi Dergisi, TMMOB Gemi Mühendisleri Odası, pp.7-11, 2007 (Peer-Reviewed Journal)
- XIII. **Three-Dimensional Numerical Study of Periodic Turbulent Flow in a Corrugated-Wall Heat Exchanger**
Ergin S., Ota M.
Phoenics Journal of Computational Fluid Dynamics and its Applications, vol.16, pp.1-36, 2004 (Peer-Reviewed)

- Journal)
- XIV. **Tank Havalanırmaya Başlığı Dizaynı**
ERGİN S.
Ç.Ü. Mühendislik-Mimarlık Fakültesi Dergisi, vol.18, pp.233-239, 2003 (Peer-Reviewed Journal)
- XV. **A numerical study of the effect of interwall spacing on turbulent flow in a corrugated duct**
Ergin S., Ota M., YAMAGUCHI H., SAKAMOTO M.
American Society of Mechanical Engineers, Heat Transfer Division, (Publication) HTD, vol.333, pp.47-54, 1996
(Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Energetic and Exergetic Analysis of a Marine-Type ORC WHRS Using Zeotropic Mixtures**
AKMAN M., ERGİN S.
14th International Exergy, Energy and Environment Symposium, IEEES-14, İstanbul, Turkey, 24 - 27 December 2023
- II. **Thermal and Economical Analysis of Thermoelectric Generator for the Waste Heat Recovery from a Marine Diesel Engine Aboard a Ferry**
Böbürl F., Ergin S.
4th International Naval Architecture and Maritime Symposium, INT-NAM 2023, İstanbul, Turkiye, İstanbul, Turkey, 11 October 2023
- III. **An investigation about green ports in Bodrum**
ERGİN S., Ertuğrul M., Mocerino L., Micoli L., Quaranta F.
4th International Naval Architecture and Maritime Symposium, INT-NAM 2023, İstanbul, Turkiye, 11 October 2023
- IV. **Experimental investigation on the hydro-acoustic characteristics of tandem cylinders**
Bulut S., Ergin S.
19th International Congress of the International Maritime Association of the Mediterranean, IMAM 2022, İstanbul, Turkey, 26 - 29 September 2022, pp.185-191
- V. **Thermal analysis of thermo-electric power generation system for the waste heat recovery from a marine diesel engine aboard a handymax-size tanker**
Böbürl F., Ergin S.
19th International Congress of the International Maritime Association of the Mediterranean, IMAM 2022, İstanbul, Turkey, 26 - 29 September 2022, pp.429-435
- VI. **Possible approaches to the study of the emissions from ships during their operations in ports**
Ergin S., Mocerino L., Quaranta F.
19th International Congress of the International Maritime Association of the Mediterranean, IMAM 2022, İstanbul, Turkey, 26 - 29 September 2022, pp.371-378
- VII. **Energy-efficient shipping: Thermo-environmental analysis of an organic Rankine cycle waste heat recovery system utilizing exhaust gas from a dual-fuel engine**
AKMAN M., ERGİN S.
The 34th Asian-Pacific Technical Exchange and Advisory Meeting on Marine Structures Conference, TEAM 2020/21, İstanbul, Turkey, 6 - 08 December 2021, pp.329-335
- VIII. **The effects of different solvents on the performance of carbon capture and storage (CCS) systems for different ships**
GÜLER E., ERGİN S.
The 34th Asian-Pacific Technical Exchange and Advisory Meeting on Marine Structures Conference, TEAM 2020/21, İstanbul, Turkey, 6 - 08 December 2021, pp.320-328
- IX. **Numerical study on natural convection in a ship cargo tank**
Şahin K., Ergin S.
18th International Congress of the Maritime-Association-of-the-Mediterranean (IMAM), Varna, Bulgaria, 9 - 11 September 2019, vol.3, pp.512-519

- X. **Investigation of flow noise with different turbulence models**
Bulut S., Ergin S.
18th International Congress of the Maritime-Association-of-the-Mediterranean (IMAM), Varna, Bulgaria, 9 - 11 September 2019, vol.3, pp.39-44
- XI. **Numerical Investigation of Natural Convection Heat Transfer in a Ship Cargo Tank with Corrugated Walls**
ŞAHİN K., ERGİN S.
TEAM 2019, 14 - 17 October 2019
- XII. **A Numerical Study on the Performance and Emission Characteristics of Dual-Fuel LNG Diesel Engine**
DURMAZ M., ERGİN S.
TEAM 2019, 14 - 17 October 2019
- XIII. **An Investigation on the New Rotating Drive Mechanism For the Kinematic Stirling Engines**
METE S., ERGİN S.
TEAM 2019, 14 - 17 October 2019
- XIV. **Three-Dimensional Numerical Investigation of Flow Noise Around a Circular Cylinder**
Ergin S., Bulut S.
TEAM 2018, Wuhan, China, 15 - 18 October 2018, vol.1, pp.350-356
- XV. **A Large Eddy Simulation of LNG Pool Fire on Board a Chemical/Oil Tanker**
Bolek A., Ergin S.
3rd European Symposium on Fire Safety Science, ESFSS 2018, Nancy, France, 12 - 14 September 2018, vol.1107
- XVI. **AN EXPERIMENTAL AND ANALYTICAL INVESTIGATION ON THE EXHAUST EMISSIONS OF A FERRY**
DURMAZ M., ERGİN S.
International 8th Atmospheric Sciences Symposium, İstanbul, Turkey, 1 - 04 November 2017, pp.181-191
- XVII. **An investigation on exhaust emissions of a ferry**
ERGİN S.
3rd INTERNATIONAL SYMPOSIUM MONOCEAN SCIENCE AND TECHNOLOGY Theme: Research Education for Sustainable Development on Ocean Science and Technology, 27 - 30 November 2017
- XVIII. **An experimental and analytical investigation on the exhaust emissions of a ferry**
Durmaz M., Ergin S.
8th Atmospheric Sciences Symposium, ATMOS 2017, İstanbul, Turkey, 1 - 04 November 2017, pp.181-191
- XIX. **ESTIMATING FLOW-INDUCED NOISE OF A CIRCULAR CYLINDER USING NUMERICAL AND ANALYTICAL ACOUSTIC METHODS**
ERGİN S., BULUT S.
Developments in Maritime Transportation and Harvesting of Sea Resources IMAM 2017, 9 - 11 October 2017
- XX. **Dairesel kesitli bir silindir etrafındaki akış gürültüsünün sayısal ve analitik olarak incelenmesi**
ERGİN S., BULUT S.
20. Ulusal Mekanik Kongresi, Turkey, 5 - 09 September 2017
- XXI. **On board measurement of Exhaust Emissions From A Ferry Sailing At Marmara Sea**
ERGİN S., KALENDER S. S., DURMAZ M.
1st International Congress on Ship And Marine Technology, 8 - 09 December 2016
- XXII. **On Board Measurements of Exhaust Emissions From a Ferry Sailing at Marmara Sea**
ERGİN S., DURMAZ M., KALENDER S. S.
GMO-SHIPMAR 2016 1st International on Congress Ship and Marine Technology, 8 - 09 December 2016
- XXIII. **Thermodynamic Analysis of Organic Rankine Cycle For Waste Heat Recovery System of A Ship**
Akman M., Ergin S.
GMO SHIPMAR 1st International on Congress Ship and Marine Technology, İstanbul, Turkey, 8 - 09 December 2016, pp.1-10
- XXIV. **Measurements of Particulate Emissions from a Ferry**
DURMAZ M., KALENDER S. S., ERGİN S.
the Second Global Conference on Innovation in Marine Technology and the Future of Maritime Transport, 24 - 25 October 2016, pp.377-386

- XXV. **An Experimental Investigation of Exhaust Emissions from a Ferry**
ERGİN S., DURMAZ M., KALENDER S. S.
Of 30th Asian-Pacific Technical Exchange and Advisory Meeting on Marine Structures, TEAM 2016, 10 - 13 October 2016, pp.406-412
- XXVI. **An experimental investigation of exhaust emissions from a ferry**
ERGİN S., DURMAZ M., KALENDER S. S.
TEAM 2016 MOKPO-30th Asian -Pasific Technical Exchange and Advisory Meeting on Marine Structures, MOKRO, South Korea, 10 - 13 October 2016
- XXVII. **On-board measurements of emissions from a ferry**
KALENDER S., Durmaz M., Ergin S.
3rd International Conference on Maritime Technology and Engineering, MARTECH 2016, Lisbon, Portugal, 4 - 06 July 2016, vol.2, pp.745-750
- XXVIII. **Investigation of Emissions from Ships in Turkish Straits and Marmara Sea**
ERGİN S.
IWOST 2015, The 2015 International Workshop on Ocean Science and Marine Technology, Weihai, China, 18 - 19 July 2015
- XXIX. **A Study on the Energy Efficiency of Turkish Flag Ships**
ERGİN S., ÜÇER C.
8th meeting of the Port-City Universities Leage (PUL 2014) Green Ship, Sustainable Port and the Marine Environment, İstanbul, Turkey, 20 - 23 October 2014, pp.56-59
- XXX. **Exhaust smoke dispersion for a generic frigate: Computational modeling and comparisons with experiments**
DOBRUCAL E., Ergin S.
15th International Congress of the International-Maritime-Association-of-the-Mediterranean (IMAM), A-Coruna, Spain, 14 - 17 October 2013, pp.811-817
- XXXI. **Tipik bir Firkateyn için Egzoz Gaz Yayılmının İncelenmesi**
DOBRUCALI E., ERGİN S.
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi 2012, İstanbul, Turkey, 13 - 14 December 2012
- XXXII. **A numerical investigation of exhaust smoke-superstructure interaction on a naval ship**
Ergin S., PARALI Y., DOBRUCALI E.
14th International Congress of the International-Maritime-Association-of-the-Mediterranean (IMAM), Genoa, Italy, 13 - 16 September 2011, pp.109-115
- XXXIII. **Gemi Dizel Motorları için Geliştirilen Yeni bir NOx Emisyon Kontrol Sistemi**
ERGİN S.
Anadolu Enerji Sempozyumu, Fırat Üniversitesi, Elazığ, Turkey, 22 - 24 June 2011, pp.280-286
- XXXIV. **İstanbul Boğazı'nda Gemi Kaynaklı Hava Kirliliğinin Kontrolü**
ERGİN S.
Denizcilik Faaliyetleri, Marmara ve Türk Boğazlarında Çevresel Riskler ve Alınabilecek Tedbirler Konferansı, Turkey, 30 July 2010
- XXXV. **An Investigation on NOX Emission Reduction System for Ships**
ERGİN S.
The Proc. of the Int. Symp. on the Development of the Albanian Maritime System and the Experience of the European Maritime Industry, Albania, Vlora, Albania, 14 - 15 May 2010, pp.58-71
- XXXVI. **An Investigation of Engine Room Fire Characteristics for a Chemical Tanker**
ERGİN S., SÜLÜS A.
Proc. of the 23rd Asian-Pacific Technical Exchange and Advisory Meeting on Marine Structures, TEAM 2009, Kaohsiung, Taiwan, İstanbul, Turkey, 12 - 15 October 2009, pp.343-349
- XXXVII. **The Effects of Openings on the Fire Development in an Engine Room of a Chemical Tanker**
ERGİN S., Sülüs A.
Proc. of 13th International Congress of the International Maritime Association of the Mediterranean, IMAM 2009, İstanbul, Turkey, İstanbul, Turkey, 12 - 15 October 2009, pp.343-349

- XXXVIII. **Gemi Kaynaklı Hava Kirliliğinin ve Sera Gazı Emisyonlarının Kontrolü**
ERGİN S.
Hedef 2023, 10. Ulaştırma Şurası, TC Ulaştırma Bakanlığı, İstanbul, Turkey, 27 September - 01 October 2009
- XXXIX. **Gemi Dizel Motorlarında Emisyon Kontrolü**
ERGİN S.
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, İstanbul, Turkey, 24 - 25 November 2008, pp.181-187
- XL. **Makina Dairesi Yangınlarına Açıklıkların Etkisinin İncelenmesi**
ERGİN S., SÜLÜS A.
Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, İstanbul, Turkey, 24 - 25 November 2008, pp.167-180
- XLI. **Calculation of Thermal Stresses for a 7000 DWT Oil Tanker**
ÖZÇELİK S., ERGİN S., ERGİN A.
Proc. Of the 22nd Asian-Pasific Technical Exchange and Advisory Meeting on Marine Structures, TEAM 2008, İstanbul, Turkey, İstanbul, Turkey, 6 - 09 October 2008, pp.354-359
- XLII. **A study on exhaust emissions reduction system for marine diesel engines**
Ergin S.
12th International Congress of the International-Maritime-Association-of-the-Mediterranean, Varna, Bulgaria, 2 - 06 September 2007, pp.351-355
- XLIII. **The effect of biodiesel on exhaust emission characteristics of a diesel engine**
DOBRUCALI E., OEZCUMALI R. U., Ergin S.
12th International Congress of the International-Maritime-Association-of-the-Mediterranean, Varna, Bulgaria, 2 - 06 September 2007, pp.345-350
- XLIV. **Flow Characteristics of air-caps for tank ventilation in ships**
Ergin S.
11th International Congress of the International-Maritime-Association-of-the-Mediterranean (IMAM 2005), Lisbon, Portugal, 26 - 30 September 2005, pp.643-650
- XLV. **Tank Havalanırmaya Başlığındaki Tûrbülanslı Akışın Sayısal Olarak Modellenmesi**
ERGİN S.
Gemi Mühendisliği ve Sanayimiz Sempozyumu, İstanbul, Turkey, 24 - 25 December 2004, pp.357-365
- XLVI. **Bir Isı Değiştiricisindeki Tûrbülanslı ve Üç Boyutlu Akışın Sayısal Olarak İncelenmesi**
ERGİN S.
Türk Loydu?nun 40. kuruluş yıldönümü nedeniyle düzenlenen Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, İstanbul, Turkey, 17 December 2002, pp.72-86
- XLVII. **Numerical and Experimental Study of Turbulent Flow Through a Corrugated Duct**
ERGİN S., Ota M.
Proc. of ESDA 2002, 6th Biennial Conference on Engineering System Design and Analysis, İstanbul, Turkey, İstanbul, Turkey, 8 - 11 July 2002, pp.1-10
- XLVIII. **Numerical Prediction of Turbulent Flow Characteristics in a Corrugated Duct**
ERGİN S., Ota M.
Proc. of the 15th International Conference on Efficiency, Costs, Optimisation, Simulation and Environmental Impact of Energy Systems, ECOS 2002, Berlin, Germany, Berlin, Germany, 3 - 05 July 2002, pp.17-24
- XLIX. **A Study of Surface Radiation in a Two Floor Enclosure**
ERGİN S.
ULIBTK'99, 12. Ulusal Isı Bilimi ve Tekniği Kongresi, Sakarya, Turkey, 28 - 29 February 2000, pp.277-282
- L. **Egzos Emiş Ağzı Etrafındaki Akışın Sayısal Hesabı**
ERGİN S., MESTANİ M.
GİDTTK'99 Gemi İnşaatı ve Deniz Teknolojisi Teknik Kongresi, İstanbul, Turkey, 2 - 03 December 1999, pp.310-318
- LI. **Three Dimensional Finite Volume Predictions of Flow in a Corrugated Duct**
ERGİN S.
Proc. of the Eight Int. Maritime Association of Mediterranean, İstanbul, Turkey, İstanbul, Turkey, 2 - 09 November 1997, pp.1-9
- LII. **Gemi Arkasındaki Tûrbülanslı Akışın Sayısal Modellenmesi**

- ERGİN S.
TUMTK, 10. Ulusal Mekanik Kongresi, İstanbul, Turkey, 15 - 19 September 1997, pp.211-222
- LIII. **Oluklu Bir Kanaldaki Tûrbülanslı Akışın Sayısal Hesabı**
ERGİN S.
ULIBTK97, 11. Ulusal Isı Bilimi ve Tekniği Kongresi, Edirne, Edirne, Turkey, 17 - 19 September 1997, pp.330-340
- LIV. **Analysis of Periodically Fully Developed Turbulent Flow in a Corrugated Duct Using Various Turbulence Models and Comparison with Experiment**
ERGİN S., Ota M., Yamaguchi H., SAKAMOTO M.
JSME Centennial Grand Congress, Proc. of Int. Conf. on Fluid Eng., Tokyo, Japan, Tokyo, Japan, 13 - 16 July 1997, pp.1527-1533
- LV. **Oluklu Bir Kanaldaki Akışın Sayısal Modelleme**
ERGİN S.
Doğal ve Uygulamalı Bilimlerde Sayısal Yöntemler, II. Ulusal Toplantısı, İstanbul, Turkey, 30 May - 01 June 1997, pp.332-343
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Supported Projects

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Ergin S., Project Supported by Higher Education Institutions, türk Boğazlarında ve Marmara Denizinde Gemi Kaynaklı Emisyonların İncelenmesi, 2015 - 2018

Ergin S., Project Supported by Higher Education Institutions, Tpik Bir Firkateyn için egzos gazlarının yayılımının incelenmesi sayısal modelleme ve deneylerle karşılaşma, 2013 - 2018

Ergin S., Project Supported by Higher Education Institutions, Savaş Gemilerinde Egzos Gazları ve Üst Yapı Arasındaki Etkileşimin Sayısal Olarak İncelenmesi, 2011 - 2018

Ergin S., Project Supported by Higher Education Institutions, KİMYASAL BİR TANKER İÇİN DAİRESİ YANGIN KARAKTERİSTİKLERİİNİN, 2009 - 2018

Ergin S., Project Supported by Higher Education Institutions, Gemi Dizel Motorları İçin Egzos Emisyon Kontrol sistemi Üzerine Bir Çalışma, 2007 - 2018

Ergin S., Project Supported by Higher Education Institutions, Gemilerde Tank Havalandırma Başlıklarındaki Akış Karakteristiklerini İncelenmesi, 2005 - 2018

Ergin S., Project Supported by Higher Education Institutions, Gemi Kaynaklı Egzoz Emisyonlarının Oluşum Mekanizmalarının İncelenmesi, 2016 - 2017

Ergin S., Project Supported by Higher Education Institutions, Akış ve Isı Geçişinin Sayısal ve Deneysel Olarak İncelenmesi,

1998 - 2001

Patent

Ergin S., PORTABLE ROTISSERIE SPIT, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: EP3873309B1 , Standard Registration, 2023
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Activities in Scientific Journals

Proceedings Of The Institution Of Mechanical Engineers Part M-Journal Of Engineering For The Maritime Environment, Assistant Editor/Section Editor, 2019 - Continues
ALEXANDRIA ENGINEERING JOURNAL, Advisory Committee Member, 2012 - Continues
Proceedings Of The Institution Of Mechanical Engineers Part M-Journal Of Engineering For The Maritime Environment, Committee Member, 2010 - 2019
Gemi ve Deniz Teknolojisi, Naval Architecture and Marine Technology, Journal of the Chamber of Turkish Naval Architects and Marine Engineers., Publication Committee Member, 2010 - 2014

Memberships / Tasks in Scientific Organizations

International Maritime Association of the Mediterranean, Board Member, 2011 - Continues
Makina Mühendisleri Odası, Member, 1983 - Continues

Scientific Consultations

Altinova, Yalova ve Dearsan Tersanesi, Tuzla, İstanbul,, Scientific Consultancy, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği, Turkey, 2011 - 2012

Metrics

Publication: 103
Citation (WoS): 167
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Scholarships

Araştırma Bursu, University, 2001 - 2001
Araştırma Bursu, University, 1997 - 1997
Araştırma Bursu, University, 1994 - 1995
Doktora, YOK, 1989 - 1993

Doktora Başarı, University, 1989 - 1992

Yurt İçi Doktora, TUBITAK, 1986 - 1988

Yüksek Lisans, TUBITAK, 1984 - 1986

Awards

Ergin S., En iyi sunum dalında üçüncülük, Teorik ve Uygulamalı Mekanik Türk Milli Komitesi, September 1997

Non Academic Experience

Türk Armatörler Birliği

İstanbul Teknik Üniversitesi

Dearsan ve Altinova Tersanesi

Dearsan Tersanesi

Osaka University

Southampton Üniversitesi

Tokyo Metropolitan Üniversitesi

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