

Assoc. Prof. CENK ŞAKAR

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Dokuz Eylul University, Sosyal Bilimler Enstitüsü, Denizcilikte Emniyet, Güvenlik Ve Çevre Yönetimi (Dr), Turkey 2013 - 2017

Postgraduate, Dokuz Eylul University, Sosyal Bilimler Enstitüsü, Denizcilikte Güvenlik, Emniyet Ve Çevre Yönetimi (YI) (Tezli), Turkey 2011 - 2013

Undergraduate, Dokuz Eylul University, Deniz İşletmeciliği Ve Yönetimi Yüksekokulu, Güverte Pr. (İngilizce), Turkey 1996 - 2001

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Petrol/kimyasal tankerlerde tehlikeli yük operasyonlarında emniyet ve risk değerlendirmesi: Olasılıksal ilişki analizleri, Dokuz Eylul University, Sosyal Bilimler Enstitüsü, Denizcilikte Emniyet, Güvenlik Ve Çevre Yönetimi (Dr), 2017

Postgraduate, Kimyasal tankerlerin operasyon etkinliğini belirleyen faktörlerin bir analizi, Dokuz Eylul University, Sosyal Bilimler Enstitüsü, Denizcilikte Güvenlik, Emniyet Ve Çevre Yönetimi (YI) (Tezli), 2013

Research Areas

Marine Sciences and Technology

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği Bölümü (İng), 2024 - Continues

Assistant Professor, Dokuz Eylul University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği Bölümü (İng), 2018 - 2024

Lecturer, Dokuz Eylul University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği Bölümü (İng), 2011 - 2018

Academic and Administrative Experience

Deputy Head of Department, Dokuz Eylul University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği Bölümü(İng), 2013 - Continues

Courses

OIL CARGO OPERATIONS AND SHIPSTABILITY, Undergraduate, 2017 - 2018, 2016 - 2017
CHEMICAL CARGO OPERATIONS ANDSHIP STABILITY, Undergraduate, 2017 - 2018, 2016 - 2017
Ship Inspection, Undergraduate, 2017 - 2018
INTERNATIONAL MARITIMECONVENTIONS, Undergraduate, 2017 - 2018, 2016 - 2017
SHIP OPERATIONS, Undergraduate, 2017 - 2018, 2016 - 2017
Maritime Casualty Investigation, Undergraduate, 2017 - 2018
Ship Management, Undergraduate, 2017 - 2018
MATHEMATICS I , Undergraduate, 2016 - 2017
METEOROLOGY AND OCEANOGRAPHY, Undergraduate, 2016 - 2017
DIPLOMA PROJECT (Uygulama), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
INTERNATIONAL MARITIMECONVENTIONS (Teorik), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
SHIP OPERATIONS (Teorik, Undergraduate, 2015 - 2016
SIMULATOR BASED OIL CARGOHANDLING (Teorik, Undergraduate, 2015 - 2016
SIMULATOR BASED CHEMICAL CARGOHANDLING, Undergraduate, 2015 - 2016
DIPLOMA PROJECT (Teorik), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
OIL CARGO OPERATIONS AND SHIPSTABILITY (Teorik), Undergraduate, 2015 - 2016, 2014 - 2015
CHEMICAL CARGO OPERATIONS ANDSHIP STABILITY (Teorik), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
SIMULATOR BASED OIL CARGOHANDLING (Teorik), Undergraduate, 2014 - 2015
MARITIME COMMUNICATION (Uygulama), Undergraduate, 2014 - 2015
MARITIME COMMUNICATION (Teorik), Undergraduate, 2014 - 2015
SIMULATOR BASED CHEMICAL CARGOHANDLING (Teorik), Undergraduate, 2014 - 2015
SHIP OPERATIONS (Teorik), Undergraduate, 2014 - 2015
SEAMANSHIP II (Uygulama), Undergraduate, 2014 - 2015
SEAMANSHIP II (Teorik), Undergraduate, 2014 - 2015
SIMULATOR BASED CHEMICAL CARGOHANDLING (Uygulama), Undergraduate, 2013 - 2014
SAFETY AT SEA, Undergraduate, 2013 - 2014, 2012 - 2013
SURVEY PROCEDURES (Teorik), Undergraduate, 2013 - 2014
SAFETY, SECURITY AND QUALITYMANAGEMENT, Undergraduate, 2013 - 2014, 2012 - 2013
SIMULATOR BASED OIL CARGOHANDLING (Uygulama), Undergraduate, 2013 - 2014
INTERNATIONAL MARITIMECONVENTIONS I (Teorik), Undergraduate, 2013 - 2014
SAFETY AT SEA II (Teorik), Undergraduate, 2013 - 2014
Tanker Operations and Safety, Undergraduate, 2012 - 2013, 2011 - 2012
CHEMICAL CARGO OPERATIONS ANDSHIP STABILITY (Uygulama), Undergraduate, 2012 - 2013
INTERNATIONAL MARITIMECONVENTIONS I, Undergraduate, 2012 - 2013
ELEKTRİK - ELEKTRONİK, Undergraduate, 2011 - 2012
WORLD REGIONAL GEOGRAPHY (Teorik), Undergraduate, 2011 - 2012
GEMİCİLİK II, Undergraduate, 2011 - 2012
EMNİYET, GÜVENLİK VE KALİTEYÖNETİMİ, Undergraduate, 2011 - 2012
DENİZDE GÜVENLİK I, Undergraduate, 2011 - 2012
3. Sınıf Modül Grubu- Kuru Yük -Tanker Operasyonları, Undergraduate, 2011 - 2012

Supervised Theses

Şakar C., Risk analysis of ship collisions in congested waterways, Postgraduate, A.YURT(Student), 2023
Şakar C., Denizyolu taşımacılığında kömür yükü operasyonlarının risk değerlendirmesi: Olasılıksal yaklaşım, Postgraduate, B.TEMEL(Student), 2022
ŞAKAR C., Ship to ship tanker transfer operations and risk analysis: Probabilistic approach, Postgraduate, M.SÖKÜKCÜ(Student), 2021
ŞAKAR C., Analysis of the piracy activities in the gulf of guinea in view of turkish ship owners., Postgraduate, F.ORAL(Student), 2020

Jury Memberships

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, September, 2023
Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, January, 2022
Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, January, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Fuzzy bow-tie analysis for mitigating self-heating risks in maritime coal transportation**
Temel B., Şakar C., Büber M.
MARINE POLLUTION BULLETIN THE INTERNATIONAL JOURNAL FOR MARINE ENVIRONMENTALISTS, SCIENTISTS, ENGINEERS, ADMINISTRATORS, POLITICIANS AND LAWYERS, vol.209, no.2024, pp.1-12, 2024 (SCI-Expanded)
- II. **A probabilistic assessment of ship blackout incident with Fault Tree Analysis into (FTA) Bayesian Network (BN)**
Göksu B., Şakar C., Yüksel O.
JOURNAL OF MARINE ENGINEERING AND TECHNOLOGY, vol.23, pp.1-16, 2024 (SCI-Expanded)
- III. **Dynamic analysis of pilot transfer accidents**
ŞAKAR C., Sokukcu M.
Ocean Engineering, vol.287, 2023 (SCI-Expanded)
- IV. **Risk assessment of the Ship steering gear failures using fuzzy-Bayesian networks**
Göksu B., Yüksel O., ŞAKAR C.
Ocean Engineering, vol.274, 2023 (SCI-Expanded)
- V. **Risk analysis for confined space accidents onboard ship using fuzzy bow-tie methodology**
Şakar C., Büber M., Köseoğlu B., Töz A. C.
OCEAN ENGINEERING, vol.263, pp.1-11, 2022 (SCI-Expanded)
- VI. **Risk analysis of collision accidents during underway STS berthing maneuver through integrating fault tree analysis (FTA) into Bayesian network (BN)**
Sokukcu M., ŞAKAR C.
APPLIED OCEAN RESEARCH, vol.126, 2022 (SCI-Expanded)
- VII. **Determination of the Ship Engine Room Pipeline Failure Risk Rating with Fuzzy-Bayesian Network**
Yüksel O., Şakar C., Göksu B.
Naval Engineers Journal, no.133, pp.139-156, 2021 (SCI-Expanded)
- VIII. **RISK ANALYSIS OF GROUNDING ACCIDENTS BY MAPPING A FAULT TREE INTO A BAYESIAN NETWORK**
Şakar C., Töz A. C., Büber M., Köseoğlu B.
APPLIED OCEAN RESEARCH, vol.113, 2021 (SCI-Expanded)
- IX. **An estimation of shipping emissions to analysing air pollution density in the Izmir Bay**
Töz A. C., Büber M., Köseoğlu B., Şakar C.
AIR QUALITY ATMOSPHERE AND HEALTH, vol.14, no.1, pp.69-81, 2021 (SCI-Expanded)
- X. **Analysing the effects of liquefaction on capsizing through integrating interpretive structural modelling (ISM) and fuzzy Bayesian networks (FBN)**

Şakar C., Köseoğlu B., Töz A. C., Büber M.
OCEAN ENGINEERING, vol.215, 2020 (SCI-Expanded)

- XI. **Mapping the spatial distribution of emissions from domestic shipping in Izmir Bay**
Büber M., Töz A. C., Şakar C., Köseoğlu B.
OCEAN ENGINEERING, vol.210, 2020 (SCI-Expanded)
- XII. **Numerical modelling of oil spill in New York Bay**
TÖZ A. C., KÖSEOĞLU B., ŞAKAR C.
ARCHIVES OF ENVIRONMENTAL PROTECTION, vol.42, no.4, pp.22-31, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Bibliometric Analysis and Visualization Mapping of Research on Maritime Accidents**
Yurt A., Şakar C.
MARINE SCIENCE AND TECHNOLOGY BULLETIN, vol.12, no.1, pp.93-103, 2023 (Peer-Reviewed Journal)
- II. **Analysis of Collision Accidents in Maritime Transportation by FTA Method**
Töz A. C., Büber M., Köseoğlu B., Şakar C.
TURKISH JOURNAL OF MARITIME AND MARINE SCIENCES, vol.8, no.1, pp.15-30, 2022 (Peer-Reviewed Journal)
- III. **GİNE KÖRFEZİ'NDEKİ DENİZ HAYDUTLUĞU FAALİYETLERİNİN TÜRK DONATANLARI AÇISINDAN İNCELENMESİ**
ORAL F., ŞAKAR C.
Dokuz Eylül Üniversitesi Denizcilik Fakültesi Dergisi, vol.12, no.2, pp.173-200, 2020 (Peer-Reviewed Journal)
- IV. **A Study on Safety and Risk Assessment of Dangerous Cargo Operations in Oil/Chemical Tankers**
Şakar C., Zorba Y.
JOURNAL OF ETA MARITIME SCIENCE, vol.5, no.4, pp.396-413, 2017 (Peer-Reviewed Journal)
- V. **Flag Choice Behavior in the Turkish Merchant Fleet: A Model Proposal with Artificial Neural Network Approach**
Köseoğlu B., Töz A. C., Şakar C.
JOURNAL OF ETA MARITIME SCIENCE, vol.5, no.2, pp.186-200, 2017 (Peer-Reviewed Journal)
- VI. **Deniz Atıklarının Değerlendirilmesi ve Geri Dönüşümü İSTAÇ Örneği**
Köseoğlu B., Töz A. C., Şakar C.
Dokuz Eylül Üniversitesi Denizcilik Fakültesi Dergisi, vol.8, pp.153-179, 2016 (Peer-Reviewed Journal)
- VII. **Limanlarda Operasyonel Planlama Türk Limanlarının Mevcut Durumu Üzerine Bir Çalışma**
KİŞİ H., FIŞKIN R., UÇAN E., ŞAKAR C., ÇAKIR E., KAYA A. Y., GÜLCAN T.
JOURNAL OF ETA MARITIME SCIENCE, vol.3, no.1, pp.37-46, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Deniz Çevresinin Petrol Kirliliğinden Korunması için Kullanılan Tekniklerin GZTF Analizi**
Büber M., Töz A. C., Şakar C., Köseoğlu B.
in: Türkiye için Denizcilik Stratejileri, Burak Köseoğlu, Editor, Nobel Yayın Grubu, İstanbul, pp.291-306, 2019
- II. **Denizde Haberleşme**
Köseoğlu B., Töz A. C., Şakar C.
Beta Basım Yayın Dağıtım, İstanbul, 2016
- III. **Denizciler için Meteoroloji ve Hava Tahmini**
Töz A. C., Köseoğlu B., Şakar C.
Beta Basım Yayın Dağıtım A.Ş., İstanbul, 2016
- IV. **Kimyasal Tankerlerde Operasyonel Etkinlik**
Şakar C., Zorba Y.
Beta, İstanbul, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **The Potential for Maritime Remote Pilotage**
Sokukcu M., ŞAKAR C.
16th International Scientific Research Congress - Science and Engineering - UBAK, Ankara, Turkey, 11 March 2023, pp.150-155
- II. **A Content Analysis of Human Factor in Maritime Accident**
Yurt A., Şakar C.
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), 14 - 16 December 2022, pp.95
- III. **AN EXAMPLE OF LITERATURE REVIEW WITH NATURAL LANGUAGE PROCESSING (NLP) TECHNIQUES ON THE USE OF GAMIFICATION METHODOLOGY IN MARITIME EDUCATION**
Serkan Dönmez E., Şakar C.
VI.INTERNATIONAL ICONTECH SYMPOSIUM ON INNOVATIVE SURVEYS IN POSITIVE SCIENCES, Rijeka, Croatia, 4 - 05 December 2022, pp.155-164
- IV. **Industry 4.0 and the Reflections on the Turkish Shipping Industry**
TÖZ A. C., BÜBER M., ŞAKAR C., KÖSEOĞLU B.
The 26th International Maritime Lectureres Assocation Conference (IMLA 26), Batumi, Georgia, 23 - 25 September 2019, pp.80-91
- V. **Are The Ships Fully Secured Against The Cyber-Attacks?**
Şakar C., Köseoğlu B., Büber M., Töz A. C.
III. GLOBAL CONFERENCE ON INNOVATION IN MARINE TECHNOLOGYANDTHE FUTURE OF MARITIME TRANSPORTATION, İzmir, Turkey, 18 - 19 April 2019
- VI. **Exploration of Factors Causing Ship Accidents in Mersin Bay through Root Cause Analysis**
BÜBER M., ŞAKAR C., KÖSEOĞLU B., TÖZ A. C.
First International Marine Freshwater Sciences Symposium (MarFresh2018), Antalya, Turkey, 18 - 21 October 2018, pp.335-340
- VII. **Investigation of grounding accidents in the bay of İzmir with the application of root cause analysis**
TÖZ A. C., ŞAKAR C., KÖSEOĞLU B.
19th Annual General Assembly – AGA 2018International Association of Maritime Universities (IAMU), Barcelona, Spain, 17 - 19 October 2018, pp.425-433
- VIII. **Determination of Risk Levels in the Southern Aegean Region in Terms of Ship Accidents Using Geographic Information System (GIS)**
BÜBER M., TÖZ A. C., ŞAKAR C., KÖSEOĞLU B.
2nd International Symposium on Natural Hazards and Disaster Management, Sakarya, Turkey, 4 - 06 June 2018, pp.503-511
- IX. **Petrol/Kimyasal Tankerlerde Tehlikeli Yük Operasyonlarında Emniyet ve Risk Değerlendirmesine Yönelik Bir Çalışma**
Şakar C., Zorba Y.
III. ULUSAL LİMAN KONGRESİ, Sanayi 4.0 ve Limanlar, İzmir, Turkey, 2 - 03 November 2017
- X. **Oil Spill Trajectory and Fate Forecasting: An Application for Iskenderun Bay**
TÖZ A. C., KÖSEOĞLU B., ŞAKAR C.
International Iskenderun Bay Symposium, ISKENDERUN/HATAY, Turkey, 11 - 13 October 2017
- XI. **Oil spill modelling with PISCES II around bay of Izmir**
TÖZ A. C., KÖSEOĞLU B., ŞAKAR C.
International Conference on Marine Navigation and Safety of Sea Transportation: Safety of Sea TransportationSafety of Sea Transportation, TRANSSNAV 2017, Gdynia, Poland, 21 - 23 June 2017, pp.103-110
- XII. **Marine Environment Protection New technologies on oil spill response industry**
TÖZ A. C., KÖSEOĞLU B., ŞAKAR C.
1st International Congress on Ship and Marine Technology, İstanbul, Turkey, 8 - 09 December 2016
- XIII. **Deniz Atıklarının Değerlendirilmesi Ve Geri Dönüşümü İSTAÇÖrneği**

KÖSEOĞLU B., TÖZ A. C., ŞAKAR C.

II.Ulusal Liman Kongresi, İzmir, Turkey, 12 - 13 November 2015

XIV. **Analysing Burnout Level of Seafarers An Application of Turkish Yatch Masters**

TÖZ A. C., KÖSEOĞLU B., ŞAKAR C.

International Association of Maritime Universities (IAMU-AGA-2015), OPATJIA, Croatia, 7 - 10 October 2015

Scientific Refereeing

OCEAN ENGINEERING, SCI Journal, March 2023

Metrics

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