

## Asst. Prof. Pelin Bolat

### Personal Information

Email: yilmazp@itu.edu.tr

### Education Information

Doctorate, Shanghai Maritime University/Şangay Denizcilik Üniversitesi, Deniz Ulaştırma Mühendisliği, China 2007 - 2011

Post Graduate, Gebze Yüksek Teknoloji Enstitüsü, İşletme Fakültesi, Strateji Bilimi Bölümü, Turkey 2004 - 2006

Under Graduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Nükleer Enerji Mühendisliği Bölümü, Turkey 1997 - 2003

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Risk Assessment for Maritime Transportation of Special Nuclear Materials Through Turkish Straits, Shanghai Maritime University/Şangay Denizcilik Üniversitesi, Deniz Ulaştırma Mühendisliği, 2011

Post Graduate, Takım Zekasının Yeni Ürün Geliştirme Takımlarının Performansı Üzerine Etkisi, Gebze Yüksek Teknoloji Enstitüsü, İşletme Fakültesi, Strateji Bilimi Bölümü, 2006

### Research Areas

Technical Sciences, Marine Sciences and Technology

### Academic and Administrative Experience

İstanbul Teknik Üniversitesi, 2017 - Continues

İstanbul Teknik Üniversitesi, 2017 - Continues

Bölüm Kalite Komisyonu Üyesi, Istanbul Technical University, Denizcilik, Temel Bilimler, 2015 - 2021

Deputy Head of Department, Istanbul Technical University, 2015 - 2021

### Courses

Research Methods in Maritime Transportation Engineering, Post Graduate, 2020 - 2021

Maritime Security, Under Graduate, 2020 - 2021

Commercial Ship Management, Under Graduate, 2020 - 2021

Denizcilikte Mücadele Önleme ve Hukuk Kuralı, Doctorate, 2020 - 2021

Maritime Security Intelligence, Doctorate, 2020 - 2021

## Designed Lessons

Bolat P., Maritime Security Intelligence, Doctorate, 2020 - 2021

Bolat P., Denizel Alanda Siber Güvenlik, Post Graduate, 2019 - 2020

Bolat P., Denizel Enerji Güvenliđi, Post Graduate, 2019 - 2020

## Designed Programs

Bolat P., Post Graduate, Denizcilik alıřmaları, 2020 - Continues

Bolat P., Undergraduate Double Major, Denizcilik alıřmaları , 2019 - Continues

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

- I. **Ranking port state control detention remarks: professional judgement and spatial overview**  
Akyurek E., Bolat P.  
EUROPEAN TRANSPORT RESEARCH REVIEW, vol.13, no.1, 2021 (Journal Indexed in SCI)
- II. **Cyber security risk assessment for seaports: A case study of a container port**  
Gunes B., Kayıřođlu G., Bolat P.  
Computers and Security, vol.103, 2021 (Journal Indexed in SCI)
- III. **Port state control at European Union under pandemic outbreak**  
Akyurek E., Bolat P.  
EUROPEAN TRANSPORT RESEARCH REVIEW, vol.12, no.1, 2020 (Journal Indexed in SCI)
- IV. **BUNKERING INCIDENTS AND SAFETY PRACTICES IN TURKEY**  
Bolat F., Bolat P., İNCAZ S.  
OIL SPILL ALONG THE TURKISH STRAITS SEA AREA; ACCIDENTS, ENVIRONMENTAL POLLUTION, SOCIO-ECONOMIC IMPACTS AND PROTECTION, vol.47, pp.447-456, 2018 (Journal Indexed in SCI)
- V. **Hydrogen supply chain architecture for bottom-up energy systems models. Part 2: Techno-economic inputs for hydrogen production pathways**  
Bolat P., THIEL C.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.39, no.17, pp.8898-8925, 2014 (Journal Indexed in SCI)
- VI. **Hydrogen supply chain architecture for bottom-up energy systems models. Part 1: Developing pathways**  
Bolat P., THIEL C.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.39, no.17, pp.8881-8897, 2014 (Journal Indexed in SCI)
- VII. **Risk assessment of potential catastrophic accidents for transportation of special nuclear materials through Turkish Straits**  
Bolat P., Jin Yongxing J. Y.  
ENERGY POLICY, vol.56, pp.126-135, 2013 (Journal Indexed in SCI)
- VIII. **A pre-feasibility case study on integrated resource planning including renewables**  
Yilmaz P., Hocaoglu M. H. , KONUKMAN A. E. S.  
ENERGY POLICY, vol.36, no.3, pp.1223-1232, 2008 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **ARMA Model-Based Prediction of the Number of Vessels Navigating the Istanbul Strait Unassisted by Maritime Pilots**  
Bolat P., Kayıřođlu G.  
Transactions on Maritime Science, vol.10, no.1, pp.1-14, 2021 (Journal Indexed in ESCI)
- II. **TÜRKİYE'DEKİ DENİZCİLİK EđİTİM KURUMLARININ GEMİADAMLARI EđİTİM VE SINAV YÖNERGESİ KAPSAMINDAKİ DENETİM SONUÇLARININ ANALİZİ**

Bolat P., Güzel E.

Dokuz Eylül Üniversitesi Denizcilik Fakültesi Dergisi, vol.12, pp.47-68, 2020 (National Refreed University Journal)

- III. **Weighting Key Factors for Port Congestion by AHP Method**  
Bolat P., Kayışoğlu G., Gunes E., Kizilay F. E. , Ozsogut S.  
JOURNAL OF ETA MARITIME SCIENCE, vol.8, no.4, pp.252-273, 2020 (Journal Indexed in ESCI)
- IV. **A Case Study for Development and Validation of a Safety Climate Scale for Shipbuilding Industry**  
TAVACIOĞLU L., TAÇ U., BOLAT P., Mörek U.  
Social Sciences, 2019 (Refereed Journals of Other Institutions)
- V. **Antecedents and Consequences of Cybersecurity Awareness: A Case Study for Turkish Maritime Sector**  
Bolat P., Kayışoğlu G.  
Journal of ETA Maritime Science, vol.7, no.4, pp.344-360, 2019 (Journal Indexed in ESCI)
- VI. **Türk Deniz Taşımacılığı Alanında Siber Güvenlik Risk Algısı**  
BOLAT P.  
Türk Dünyası Araştırmaları, 2016 (Other Refereed National Journals)
- VII. **Monitoring Seafarers'xx Cognitive Performance under Stressor Factors during a Voyage by Automated Neuropsychological Assessment Metrics**  
TAÇ U., TAVACIOĞLU L., BOLAT P., kora k., BOLAT F.  
20th Analele Constanta Maritime University Journal, 2014 (Refereed Journals of Other Institutions)
- VIII. **Monitoring Seafarers Cognitive Performance During a Voyage by Automated Neurological Assessment Metrics**  
taç u., Tavacioğlu L., Bolat P., kora k., Bolat F.  
Constanta Maritime University Annals., vol.20, pp.291-310, 2014 (International Refreed University Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Maritime Security in The Framework of NATO Security Architecture**  
BOLAT P., BİÇER R. S. S.  
III. Global Conference on Innovation in MarineTechnology and the Future of Maritime Transportation, İzmir, Turkey, 18 - 19 April 2019, pp.383-395
- II. **Analyzing Organizational Culture for Innovation Performance in Maritime Industry**  
Bolat P., Yüksel G., Bolat F., İşıaık Çolak T.  
III. Global Conference on Innovation in Marine Technology and the Future of Maritime Transportation, İzmir, Turkey, 18 - 19 April 2019, pp.253-267
- III. **Tehlikeli Madde Taşımacılığının İntermodel Ulaştırma AçısındanDeğerlendirilmesi**  
Çığ N., Yüksel G., Bolat P.  
International Congress on Engineering and Architecture, Antalya, Turkey, 14 - 16 November 2018, pp.2226-2237
- IV. **Sistem Dinamikleri Modellemesi ile Türkiye Limanı için Optimum Konteyner Gemi Sayısını Belirleme**  
Yüksel G., Bolat P.  
International Congress on Engineering and Architecture, Antalya, Turkey, 14 - 16 November 2018, pp.2210-2225
- V. **A Study for Understanding Cyber Security Awareness Among Turkish Seafarers**  
BOLAT P., Yüksel G., Uygur S.  
II.GLOBAL CONFERENCEON INNOVATION IN MARINETECHNOLOGY AND THEFUTURE OF MARITIMETRANSPORTATION, 24 - 25 October 2016
- VI. **Scenario Based Reaction Time Analysis for Seafarers**  
TAÇ U., TAVACIOĞLU L., BOLAT P.  
ICMCC 2016 : 18th International Conference on Mathematical and Computational Chemistry, VENEDİK, Italy, 7 - 08 November 2016
- VII. **A New Safety Risk Assessment Paradigm : Systems Theoretic Accident Model and Process (STAMP) for Maritime Safety and It's Probable Effects in MET**

BOLAT P., BOLAT F., yongxing j.  
IMLA, 2 - 05 July 2012

## **Supported Projects**

Bolat P., Project Supported by Higher Education Institutions, A study for understanding cyber security awareness among Turkish Seafarers, 2016 - 2018

Bolat P., Project Supported by Higher Education Institutions, Investigation of The Management and Leadership Concepts in Maritime Sector: The Turkish Approach 2-Development of Mobile Cognitive Test Software Application on Situational Awareness of Seafarers, 2014 - 2018

## **Activities in Scientific Journals**

International Journal Of Hydrogen Energy, Assistant Editor, 2013 - 2016

## **Scientific Refereeing**

COMPUTERS IN INDUSTRY, Journal Indexed in SCI-E, April 2021

tRANSACTIONS IN mARITIME SCIENCE, Journal Indexed in ESCI, June 2020

PROGRESS IN NUCLEAR ENERGY, Journal Indexed in SCI-E, March 2020

APPLIED ENERGY, Journal Indexed in SCI-E, January 2020

## **Citations**

Total Citations (WOS):83

h-index (WOS):4

## **Invited Talks**

Nükleer Maddelerin Denizyolu Taşımacılığı, Seminar, CRDF GLOBAL (PROJECT), Turkey, January 2021