

## Asst. Prof. Kemal Mert DOĞAN

### Personal Information

**Email:** kmdogan@yildiz.edu.tr

**Web:** <https://avesis.yildiz.edu.tr/kmdogan>

### International Researcher IDs

ScholarID: AHQ\_BwQAAAAJ

ORCID: 0000-0003-1015-7266

Publons / Web Of Science ResearcherID: HZI-6103-2023

ScopusID: 57196346133

Yoksis Researcher ID: 309867

### Education Information

Doctorate, Tokyo University, Graduate School of Engineering, Precision Engineering, Japan 2016 - 2019

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Konstrüksiyon, Turkey 2014 - 2016

Undergraduate, Istanbul Technical University, Makina, İmalat Mühendisliği, Turkey 2009 - 2014

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Virtual Reality, Human Computer Interaction, Construction and Manufacturing, Computer Aided Design and Manufacturing

### Academic Titles / Tasks

Assistant Professor, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, 2022 - Continues

Assistant Professor, Halic University, Faculty Of Engineering, Department Of Mechanical Engineering, 2020 - 2022

### Academic and Administrative Experience

Vice Dean, Halic University, Faculty Of Engineering, 2021 - 2022

Academic Performance D. Board Member, Halic University, Faculty Of Engineering, 2021 - 2022

### Published journal articles indexed by SCI, SSCI, and AHCI

- Imbalanced generative sampling of training data for improving quality of machine learning model**  
Coskun U. C., DOĞAN K. M., Günpınar E.

Advanced Engineering Informatics, vol.62, 2024 (SCI-Expanded)

- II. **A generative sampling system for profile designs with shape constraints and user evaluation**  
Dogan K. M., Suzuki H., Günpınar E., Kim M.  
COMPUTER-AIDED DESIGN, vol.111, pp.93-112, 2019 (SCI-Expanded)
- III. **Eye tracking for screening design parameters in adjective-based design of yacht hull**  
Dogan K. M., Suzuki H., Günpınar E.  
OCEAN ENGINEERING, vol.166, pp.262-277, 2018 (SCI-Expanded)
- IV. **Learning yacht hull adjectives and their relationship with hull surface geometry using GMDH-type neural networks for human oriented smart design**  
Dogan K. M., Günpınar E.  
OCEAN ENGINEERING, vol.145, pp.215-229, 2017 (SCI-Expanded)
- V. **A novel design framework for generation and parametric modification of yacht hull surfaces**  
Khan S., Günpınar E., Dogan K. M.  
OCEAN ENGINEERING, vol.136, pp.243-259, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Sample Management System Based on Functionality Through User-Defined Geometric Constraints**  
Dogan K. M., Suzuki H.  
Computer-Aided Design and Applications, vol.20, no.2, pp.190-212, 2023 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **ModiYacht: Intelligent CAD Tool for Parametric, Generative, Attributive and Interactive Modelling of Yacht Hull Forms**  
Khan S., GÜNPINAR E., DOĞAN K. M., ŞENER B., Kaklis P.  
SNAME 14th International Marine Design Conference, Canada, 26 June 2022
- II. **Example Based Sampling of Design Space for Facilitating Diverse Product Designs**  
Dogan K. M., Suzuki H., Günpınar E., Kim M.  
4th International Conference on Industrial and Business Engineering (ICIBE), Zhuhai, China, 24 - 26 October 2018, pp.276-281
- III. **Adjective-based, Customer-oriented Smart Design and Applications in Automotive and Ship Building Industries**  
Khan S., DOĞAN K. M., GÜNPINAR E.  
Otomotiv Sanayinde Müşteri Odaklı Tasarım Çalıştayı (OSMOT'2017), Turkey, 23 October 2017
- IV. **Eye Tracking Aided Survey (ETAS) for Evaluation of Yacht Hull Geometric Design Parameters**  
DOĞAN K. M., Suzuki H., GÜNPINAR E., Katayama H.  
International Conference on Design and Concurrent Engineering 2017 Manufacturing Systems Conference 2017, 7 - 08 September 2017
- V. **A Study on Method for Visual Evaluation of Geometric Design Parameters**  
DOĞAN K. M., Suzuki H., GÜNPINAR E., Katayama H.  
Proceedings of the Conference of The Japan Society Precision Engineering (JSPE), Japan, 13 - 15 March 2017
- VI. **A Design Framework for the Generation of Planing and Displacement Yacht Hulls**  
Khan S., GÜNPINAR E., DOĞAN K. M.  
Asian Conference on Design and Digital Engineering, Osaka, Japan, 25 - 28 October 2016

## Supported Projects

Günpınar E., Dođan K. M., TUBITAK Project, Proposing New Polyhedral Spline Configurations and Development of Quad-Dominant Remeshing Algorithms for Polyhedral Splines, 2023 - 2026

Akgün G., Günpınar E., Dođan K. M., Tařmektepligil A. A., Project Supported by Higher Education Institutions, Additive Manufacturing of Low-Cost and Enhanced Mechanical Properties with Regional Multi-Material Application, 2021 - 2023

## **Metrics**

Publication: 12

Citation (WoS): 67

Citation (Scopus): 97

H-Index (WoS): 4

H-Index (Scopus): 5