Asst. Prof. Kemal Mert DOĞAN

Personal Information

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International Researcher IDs
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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, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, 2022 - Continues
Assistant Professor, Halic University, Faculty Of Engıneerıng, Department Of Mechanıcal Engıneerıng, 2020 - 2022

Academic and Administrative Experience

Vice Dean, Halic University, Faculty Of Engıneerıng, 2021 - 2022
Academic Performance D. Board Member, Halic University, Faculty Of Engıneerıng, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. **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)

Papers Published in Refereed Scientific Meetings

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., Doğan 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., Doğan K. M., Taşmektepligil 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