

Lect. PhD HASAN ESER

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2015 - 2021

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2011 - 2014

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2007 - 2011

Foreign Languages

English, C1 Advanced

Research Areas

Evolutionary Computing, Structural Engineering, Steel Structures, Performance of Constructed Facilities, Optimization Theory and Methods, Multiobjective Optimization, Global Optimization

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2022 - Continues

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2011 - 2020

Jury Memberships

Competition, Bright Optimizer: International Student Competition in Structural Optimization, www.brightoptimizer.com, December, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Study on the Optimum Design of Steel Roof Systems in Turkish Engineering Practice**
Eser H., Hasançebi O.
Turkish Journal of Civil Engineering (TJCE), vol.36, no.3, pp.1-19, 2025 (SCI-Expanded)
- II. **Historical evolution of structural optimization techniques for steel skeletal structures including industrial design applications**
SAKA M. P., HASANÇEBİ O., ESER H., Geem Z. W.
ENGINEERING OPTIMIZATION, 2024 (SCI-Expanded)
- III. **Performance-based design optimization of steel moment frames using capacity controlled search algorithm: a comparison with force-based design approach**
Eser H., Hasançebi O., Yakut A., Gholizadeh S.
STRUCTURE AND INFRASTRUCTURE ENGINEERING, vol.1, no.1, pp.1-16, 2023 (SCI-Expanded)
- IV. **Capacity controlled search: A new and efficient design-driven method for discrete size optimization of steel frames**
ESER H., HASANÇEBİ O.
Computers and Structures, vol.275, 2023 (SCI-Expanded)
- V. **Seismic collapse safety based optimization of steel Moment-Resisting frames**
Gholizadeh S., HASANÇEBİ O., ESER H., KOÇKAYA O.
STRUCTURES, vol.45, pp.329-342, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Comparison of Optimal Force-Based and Performance-Based Designs for a Planar Ordinary Moment-Resisting Steel Frame**
Eser H., Hasançebi O.
International Conference on AI and Big Data in Engineering Applications, İstanbul, Turkey, 14 June 2021, pp.77-91
- II. **Ham perlit agregası ve yüksek hacimde perlit tozu içeren kendiliğinden yerleşen yüksek performanslı hafif beton**
ESER H., TURANLI L.
9. Ulusal Beton Kongresi, Antalya, Turkey, 16 - 18 April 2015

Scientific Refereeing

Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, National Scientific Refreed Journal, October 2023

Metrics

Publication: 7

Citation (WoS): 10

Citation (Scopus): 11

H-Index (WoS): 2

H-Index (Scopus): 2

Awards

Eser H., Seçkiner S., Winner of ISCSO 2022, Bright Optimizer: International Student Competition In Structural Optimization , December 2022

Eser H., Seçkiner S., Winner of ISCSO 2021, Bright Optimizer: International Student Competition In Structural Optimization, December 2021