

## Asst. Prof. MÜSLÜM KILINÇ

### Personal Information

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**Email:** [kilinc@erciyes.edu.tr](mailto:kilinc@erciyes.edu.tr)

**Web:** <https://avesis.erciyes.edu.tr/kilinc>

### International Researcher IDs

ORCID: 0000-0002-8837-3922

Publons / Web Of Science ResearcherID: E-1386-2019

Yoksis Researcher ID: 215995

### Education Information

Doctorate, University of South Carolina, College Of Engineering And Computing, Civil Engineering / Structural Engineering, United States Of America 2010 - 2014

Postgraduate, University of South Carolina, College Of Engineering And Computing, Computer Science And Engineering, United States Of America 2008 - 2010

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 1997 - 2001

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, High Throughput Multi-Solution Genetic Algorithm (HTMGA) for Identification of Alternate Solutions in a Structural Model Updating Context, University Of South Carolina, College Of Engineering And Computing, Civil And Environmental Engineering, 2014

### Research Areas

Technical Sciences, Civil Engineering, Structure, Structural Engineering, Earthquake Engineering

### Academic Titles / Tasks

Assistant Professor, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Assistant Professor, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2015 - 2018

Lecturer PhD, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2015

### Academic and Administrative Experience

Erciyes University, 2018 - Continues

## Courses

MUKAVEMET II, Undergraduate, 2014 - 2015  
MUKAVEMET II, Undergraduate, 2014 - 2015  
İLERİ YAPI DİNAMİĞİ, Postgraduate, 2014 - 2015  
YAPI STATİĞİ I, Undergraduate, 2014 - 2015  
STATİK VE MUKAVEMET, Undergraduate, 2014 - 2015  
MUKAVEMET I, Undergraduate, 2014 - 2015  
MUKAVEMET I, Undergraduate, 2014 - 2015  
YAPI STATİĞİ II, Undergraduate, 2014 - 2015  
SONLU ELEMENLAR, Postgraduate, 2014 - 2015

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

- I. **Finding Plausible Optimal Solutions in Engineering Problems Using an Adaptive Genetic Algorithm**  
KILINÇ M., Caicedo J. M.  
ADVANCES IN CIVIL ENGINEERING, vol.2019, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Değişken kesitli hiperstatik çerçevenin castigliano teoremi ve mathematica ile çözümü**  
KILINÇ M.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.30, no.5, pp.318-322, 2014 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Localization of Vibration Sensors for Structural Health Monitoring**  
KILINÇ M., TOPKARAOĞLU N., VURAL E.  
3rd International Conference On Civil And Environmental Engineering (ICOCEE-2018), 24 - 27 April 2018, pp.342
- II. **Numerical Modelling of Historical Structures with the Observation of Deformations and Cracks**  
KILINÇ M., VURAL E., TOPKARAOĞLU N.  
3rd International Conference On Civil And Environmental Engineering (ICOCEE-2018), 24 - 27 April 2018, pp.341
- III. **SELECTION OF THE MOST SUITABLE TRUSS TYPE AMONG TRUSS SYSTEMS BY USING AN ITERATIVE METHOD**  
KILINÇ M., ALSAEDI A.  
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017- ICAME2017, İstanbul, Turkey, 19 - 21 December 2017, pp.486-496
- IV. **EFFECTS OF TEMPERATURE CHANGES ON THE DYNAMIC PARAMETERS OF A STRUCTURE**  
KILINÇ M., JASSAM Z. A., HAMEED O. M.  
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017- ICAME2017, İstanbul, Turkey, 19 - 21 December 2017, pp.474-479
- V. **EXPERIMENTALLY IDENTIFICATION OF MODAL PARAMETERS OF STRUCTURES IN STRUCTURAL HEALTH MONITORING**  
KILINÇ M., TOPKARAOĞLU N.  
4 UDMSK Eskişehir 2017, Eskişehir, Turkey, 11 - 13 October 2017, pp.349
- VI. **Stochastic Optimization Method for Structural Model Updating**

KILINÇ M., MANNEH P. A.

ICOCEE Cappadocia 2017, Nevşehir, Turkey, 8 - 10 May 2017, pp.1363

VII. **High Throughput Computing for Identification of Alternate Solutions in a Structure Model Updating**

KILINÇ M., Caicedo J. M.

EMI 2013 Engineering Mechanics Conference, Evanston, United States Of America, 4 - 07 August 2013, pp.1

VIII. **Model Updating Cognitive Systems: Multiple Solution Identification**

KILINÇ M., Caicedo J. M., Ospina G. A.

EMI 2011 Engineering Mechanics Conference, Boston, United States Of America, 2 - 04 June 2011, pp.1

## Supported Projects

KILINÇ M., RUDAINI H. A., Project Supported by Higher Education Institutions, Yapısal Sağlık İzleme ile Titreşim ve Esneklik Yaklaşımlarına Dayalı Yerel Hasar Tespitinin Araştırılması, 2017 - 2019

KILINÇ M., AL-SAEDI A., Project Supported by Higher Education Institutions, Yapısal Tasarım Problemleri için Kafes Elemanlarının Sayısı Büyüklüğü ve Konumunun Optimizasyonu, 2017 - 2019

KILINÇ M., VURAL E., Project Supported by Higher Education Institutions, Yapısal Sağlık İzleme ile Eski Yapıların Dinamik Parametrelerinin Belirlenmesi ve Modellenmesi, 2017 - 2017

KILINÇ M., TOPKARAOĞLU N., Project Supported by Higher Education Institutions, Farklı tipteki yapıların yapısal sağlık takibinde (structural health monitoring) kullanılacak sensörlerin sayısının ve lokasyonunun optimize edilmesi, 2017 - 2017

## Metrics

Publication: 10

Citation (WoS): 5

Citation (Scopus): 6

H-Index (WoS): 1

H-Index (Scopus): 1