

Assoc. Prof. BURCU BURAK BAKIR

Personal Information

Email: bburcu@metu.edu.tr

Education Information

Doctorate, University of Michigan, Faculty of Engineering, Civil And Environmental Engineering/Structural Engineering, United States Of America 2000 - 2005

Post Graduate, University of Michigan, Faculty of Engineering, Civil And Environmental Engineering/Structural Engineering, United States Of America 1998 - 2000

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 1994 - 1998

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, SEISMIC BEHAVIOR OF ECCENTRIC REINFORCED CONCRETE BEAM-COLUMN-SLAB CONNECTIONS, University Of Michigan, Civil And Environmental Engineering/Structural Engineering, 2005

Research Areas

Structure

Advising Theses

BURAK BAKIR B., Analytical modeling of fiber reinforced composite deep beams, Doctorate, E.YAĞMUR(Student), 2018

BURAK BAKIR B., Influence of the shear wall area to floor area ratio on the seismic performance of existing reinforced concrete buildings, Post Graduate, A.ORHUN(Student), 2013

BURAK BAKIR B., Seismic assessment of reinforced concrete beam-to-column connections under reversed cyclic loading, Post Graduate, U.AKIN(Student), 2011

BURAK BAKIR B., Analytical modeling of reinforced concrete beam-to-column connections, Post Graduate, M.ÜNAL(Student), 2010

BURAK BAKIR B., Effect of shear walls on the behavior of reinforced concrete buildings under earthquake loading, Post Graduate, H.GÜRHAN(Student), 2009

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

- **Effect of Shear Wall Area to Floor Area Ratio on the Seismic Behavior of Reinforced Concrete Buildings**

BURAK BAKIR B., Comlekoglu H. G.

JOURNAL OF STRUCTURAL ENGINEERING, vol.139, pp.1928-1937, 2013 (Journal Indexed in SCI)

● **Development and analytical verification of an inelastic reinforced concrete joint model**

Unal M., BURAK BAKIR B.

● ENGINEERING STRUCTURES, vol.52, pp.284-294, 2013 (Journal Indexed in SCI)

● **Performance of Beam-to-Column Connection of a Well-Detailed RC Moment Frame Building under Pseudodynamic Loading**

Unal M., BURAK BAKIR B.

● JOURNAL OF STRUCTURAL ENGINEERING, vol.139, pp.886-896, 2013 (Journal Indexed in SCI)

● **Joint shear strength prediction for reinforced concrete beam-to-column connections**

Unal M., BURAK BAKIR B.

STRUCTURAL ENGINEERING AND MECHANICS, vol.41, pp.421-440, 2012 (Journal Indexed in SCI)

Supported Projects

BURAK BAKIR B., Project Supported by Higher Education Institutions, Kiriş-Kolon Birleşim Bölgelerinin Sismik Davranışı İçin Geliştirilen Analitik Modelin Kalibrasyonu, 2009 - 2009

BURAK BAKIR B., Project Supported by Higher Education Institutions, Kiriş-Kolon Birleşim Bölgelerinin Modellenmesinin Nonlinear Analize Etkisi, 2008 - 2008

Citations

Total Citations (WOS):40

h-index (WOS):4