



Ertan Sönmez, Ph.D.

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PERSONAL

Date of Birth	1978
Place of Birth	Ankara

EDUCATION

2001 – 2009	Rice University, Civil Engineering, Ph.D.
1999 – 2001	Vanderbilt University, Civil Engineering, M.S.
1995 – 1999	Middle East Technical University, Civil Engineering, B.S.

ACADEMIC POSITIONS

April 2017 – Present	Assistant Professor, Department of Civil Engineering, Atılım University, Turkey
August 2001 – December 2006	Research/Teaching Assistant, Department of Civil and Environmental Engineering, Rice University, Houston, TX, USA
August 1999 – December 2000	Teaching Assistant, Department of Civil and Environmental Engineering, Vanderbilt University, Nashville, TN, USA

ADMINISTRATIVE DUTIES

December 2018 – August 2019	Vice Chair, Department of Civil Engineering, Atılım University, Ankara, Turkey
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RESEARCH INTERESTS

1	Structural Dynamics
2	Structural Health Monitoring
3	Soil-Structure Interaction
4	Steel Structures
5	Offshore and Subsea Structures

PROFESSIONAL SERVICE

1	Senior Associate Consultant, RiserTec, Inc., Houston, TX, USA (2013 – 2015)
2	Senior Structural Analyst, Arup Texas, Inc., Houston, TX, USA (2012 – 2013)
3	Engineer / Senior Engineer, McDermott Engineering, LLC, Houston, TX, USA (2007 – 2012)

PUBLICATIONS

1	Sonmez, E., Nagarajaiah, S., Sun, C., Basu, B., "A study on semi-active tuned liquid column dampers (STLCDs) for structural response reduction under random excitations," Journal of Sound and Vibration, 362, 1-15, 2016.
2	Nagarajaiah, S., Sonmez, E., "Structures with semiactive variable stiffness single/multiple tuned mass dampers," Journal of Structural Engineering, ASCE, 133(1), 67-77, 2007.

PROJECTS

1	TÜBİTAK-KAMAG-1007, Project No: 115G023, Yerli Modüler 350 Ton Kapasiteli Sondaj Kulesi Tasarımı ve İmalatı, Researcher, 2017 – 2019.
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CONFERENCE PRESENTATIONS

1	Nagarajaiah, S., Sonmez, E., "Semiactive variable stiffness single/multiple tuned mass dampers," Fourth World Conference on Structural Control and Monitoring (4WCSCM), San Diego, California, USA, July, 2006.
2	Nagarajaiah, S., Agrawal, A., Sonmez, E., "Response of SDOF systems with variable stiffness and damping systems to pulse type of excitations," Third International Conference of Earthquake Engineering, Nanjing, China, October 2004.

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	125
H-index (ISI Web of Science):	2

COURSES GIVEN

1	CE 204 Mechanics of Materials
2	CE 210 Civil Engineering Materials
3	CE 410 Advanced Structural Steel Design
4	CE 437 Structural Dynamics
5	CE 440 Earthquake Engineering
6	CE 490 Civil Engineering Design Project
7	CE 510 Advanced Structural Steel Design