Mehmet Eren Uz

Personal Details

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Employment

2013- 2014	Postdoctoral Researcher University of Wollongong, Australia Degree of PhD in Civil Engineering
2014-2016	Associate Research Fellow (Lecturer) University of Wollongong, Australia Degree of ME.-Research in Civil Engineering
2016-2018	Honorary Associate Fellow University of Wollongong, Australia Degree of ME.-Research in Civil Engineering
2016-Current	Assistant Professor Department of Civil Engineering, Faculty of Engineering, Adnan Menderes University, Aydin, Turkey

Education

2010- 2013	University of Wollongong, Australia Degree of PhD in Civil Engineering
2008-2010	University of Wollongong, Australia Degree of ME.-Research in Civil Engineering
2007-2008	University of Macquarie, Australia Certificate of Direct Entry English Program in NCELTR
2001-2006	University of Dokuz Eylul, Turkey Bachelor of Science (Hons.) in Civil Engineering

Awards and Scholarships

2007-2013 Scholarship from General Directorate for Higher Education, Ministry of National Education, The Republic of Turkey

2011 Finalist in Trailblazer (Technology Investment & Licensing) at UOW http://uniquest.com.au/technology-investment-licensing

2002-2006 Award of Master Graduate Ranking from the Department of Civil Engineering of the Faculty of Engineering at University of Dokuz Eylul

Journal Publications

Hadi, M. N. S. & Uz, M. (2014). Investigating the optimal passive and active vibration controls of adjacent buildings based on performance indices using genetic algorithms. Engineering Optimization, 47:2, 265-286, DOI: 10.1080/0305215X.2014.887704.

Uz, M. & Hadi, M. N. S. (2014). Optimal design of semi active control for adjacent buildings connected by MR damper based on integrated fuzzy logic and multi-objective genetic algorithm. Engineering Structures, 69 (June), 135-148.

Teh, L. H. & Uz, M. (2014). "Ultimate Shear-out Capacities of Structural Steel Bolted Connections. Journal of Structural Engineering, DOI: 10.1061/(ASCE)ST.1943-541X.0001105.

Teh, L. H. & Uz, M. (2014). Effect of loading direction on the bearing capacity of cold-reduced steel sheets. Journal of Structural Engineering, Online First 06014005-1-06014005-5.

Teh, L. H. & Uz, M. E. (2015). Block Shear Failure Planes of Bolted Connections – Direct Experimental Verifications. Journal of Constructional Steel Research, 111, 70-74.

Uz, M. E. (2016) Investigation of the optimal semi-active control strategies of adjacent buildings connected with magnetorheological dampers. The Structural Design of Tall and Special Buildings (In preparation).

Teh, L. H. & Uz, M. E. (2016). Combined Bearing and Shear-out Capacities of Structural Steel Bolted Connections. Journal of Structural Engineering, pp-1-7, 10.1061/(ASCE)ST.1943-541X.0001573.

Teh, L. H. & Uz, M. E. (2016). Ultimate Tilt Bearing Capacity of Bolted Connections in Cold-Reduced Steel Sheets, Journal of Structural Engineering (Under Review).

Thesis

Uz, M. E. (2013), Optimum design of semi-active dampers between adjacent buildings of different sizes subjected to seismic loading including soil-structure interaction. PhD Thesis. School of Civil, Mining and Environmental Eng. University of Wollongong, Australia (with the Examiners' Commendation for Outstanding Thesis).

Uz, M. E. (2009), Improving the dynamic behavior of adjacent buildings by connecting them with fluid viscous dampers. ME-Research Thesis. School of Civil, Mining and Environmental Eng. University of Wollongong, Australia.

Conference Publications

Uz, M. E. & Teh, L. H. (2016). Tilt bearing capacity of single-shear bolted connections in cold-formed steel, The International Conference on Coupled Instabilities in Metal Structures (CIMS 2016), November 8 & 9, 2016 (Accepted on 27/01/2016)

Teh, L. H. & Uz, M. E. (2016). Combined Bearing and Shear-out Capacity of Bolted Connections, the 8th International Conference on Steel and Aluminium Structures (ICSAS 2016), Hong Kong from December 7 to 9 2016 (Accepted on 25/01/2016).

Hadi, MNS and Uz, ME (2011). Investigation of the effect of pounding and impact on Base Isolated Adjacent Buildings due to Earthquakes. ISEC-6, The Sixth International Structural Engineering and Construction Conference Zürich, June 21-26, 2011. pp. 595-600.

Uz ME and Hadi, MNS (2011). Investigating the Effect of Pounding for Inelastic Base Isolated Adjacent Buildings under Earthquake Excitations. The 21st Australasian Conference on the Mechanics of Structures and Materials (ACMSM21), Victoria University (VU), Melbourne, Australia., 7-10 December 2010. pp. 329-334.

Uz ME and Hadi, MNS (2011). Seismic history analysis of asymmetrical adjacent buildings with soil-structure interaction consideration. 8th International Conference on Earthquake Resistant Engineering Structures (ERES 2011) which was held on 7 - 9 September 2011 at Chianciano Terme, Italy, pp. 225-236.

Hadi, MNS and Uz, ME (2011). Seismic Modal Response Histories of Two-Way Asymmetric Adjacent Buildings with Soil-Structure Interaction Effects Subject to Earthquake Excitations. The Thirteenth International Conference on Civil, Structural and Environmental Engineering Computing (CC2011), Chania, Crete, Greece on 6-9 September 2011. Paper 217, 18 pages.

Hadi, MNS and Uz, ME. (2010). Base Isolated Adjacent Buildings Considering the Effect of Pounding and Impact due to Earthquakes. The Ninth International Congress on

Advances in Civil Engineering (ACE 2010), Karadeniz Technical University, Trabzon from 27 to 30 September 2010. SEE-018, 8 pages.

Hadi, MNS and Uz ME (2010). Inelastic Base Isolated Adjacent Buildings under Earthquake Excitation with the Effect of Pounding. The 5th Civil Engineering Conference in the Asian Region and Australasian Structural Engineering Conference 2010 CECAR 5/ASEC 2010, 8-12 Aug Sydney, Australia. Paper No. 155, 6 pages.

Uz, ME and Hadi, MNS (2009). Dynamic Analyses of Adjacent Buildings Connected by Fluid Viscous Dampers. Seventh World Conference on Earthquake Resistant Engineering Structures ERES VII, WIT Transactions on the Built Environment, Vol 104. pp. 139-150.

Hadi, MNS and Uz, ME. (2009). Improving the Dynamic Behaviour of Adjacent Buildings by Connecting them with Fluid Viscous Dampers. The 2nd International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering–COMPDYN 2009. M. Papadrakakis, N.D. Lagaros, M. Fragiadakis (eds.), Rhodes, Greece, 22–24 June 2009. 16 pages.

Technical Skills

Application Programs:	QBasic, AutoCad 2006, Matlab R2011b, Sta4CAD, SAP2000 (certificate), IdeSTATIK (certificate), ANSYS, Strand 7 (Beginner), Abaqus and C++ (Beginner).

Professional Experience

Summer Intership:	Manisa, Imperial Tobacco Manisa Factory, SEYAS Sey Architects Engineers Consultants Inc and Hasdayi Construction Company, July-September 2004 Izmir, Ataturk Education and Research Hospital Amatem Building Contruction, Izmir Governorship, July- September 2005

Extracurricular and Leadership Activities

2009-2013	Tutoring for programming languages and techniques (ENG359, CIVL296), static and dynamic subjects/laboratories (ENG152), applied finite element analysis for civil engineers (CIVL 491,980) and structural analysis I-II (CIVL 352, 454).
2010	Member of Engineers Australia(http://www.engineersaustralia.org.au)
2006	Member of Youth Civil Engineering Association, Izmir
2006	Member of Civil Engineering Examination Association, Dokuz Eylul University

References

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Social Activities and Sports

Travelling, Cycling, Surfing, Soccer, Basketball and Swimming