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RANK & STATUS: Professor, Full time

UNIVERSITY EDUCATION

<u>Degree</u>	<u>Award year</u>	<u>Period of study</u>	<u>Field</u>	<u>University</u>
PhD	1982	1977-1982	Engineering Science	METU
MS	1976	1974-1976	Structural Engineering	METU
BS	1974	1970-1974	Civil Engineering	METU

ACADEMIC EXPERIENCE

<u>Rank</u>	<u>Years</u>	<u>Department</u>	<u>University</u>
Professor	1994-Present	Civil Engineering	METU
Assoc. Prof.	1988-1994	Civil Engineering	METU
Assist. Prof.	1986-1988	Civil Engineering	METU
Res. Assoc.	1983-1984	Eq. Eng. Res. Centre	UC Berkeley
Instructor	1978-1983	Engineering Science	METU

PROFESSIONAL EMPLOYMENT EXPERIENCE

<u>Position</u>	<u>Period</u>	<u>Institution/Company</u>	<u>Location</u>
Senior Str. Engineer	1984-1986	Parsons Brinkerhoff Inc.	New York
Structural Engineer	1976-1977	BMB Consultant Company	Ankara

SERVICE & POSITIONS HELD IN UNIVERSITY ADMINISTRATION AND COMMITTEES

Director, Earthquake Engineering Research Centre, METU, 1995- 2004.

Director, Structural and Earthquake Engineering Laboratory, METU, 2008-

PUBLIC SERVICES

Turkish Seismic Code Committee, Coordination Committee Member, Ankara, 2003-2007; 2011-2016

Coordinator of the Section, "Seismic Assessment and Rehabilitation of Existing Buildings", Draft Turkish Seismic Code, 2016

Member, National Earthquake Council, 2000-2008.

Technical Coordinator for the Seismic Safety Assessment of Regional Boarding Schools in Turkey, Ministry of Education, 2006-2007.

President, Earthquake Engineering Association of Turkey, 2011-

EDITORIAL BOARD MEMBER

Earthquake Spectra, 2010-

Journal of Earthquake Engineering, 1997-

Earthquakes and Structures, 2009-

AWARDS

Parlar Research and Education Foundation, 2012 Science Award.

RESEARCH PROJECTS (Principal Investigator)

TUBİTAK 1007 Project No. 108G034, “Yeni Nesil Deprem Yönetmelikleri için Performans Esaslı Değerlendirme ve Güçlendirme Yöntemlerinin Araştırılması ve Geliştirilmesi (Development of New Generation Seismic Codes for Performance Assessment and Rehabilitation)”, 2010-2013.

FP6 Project No. 17067 “Capacity Building in Earthquake Research for Urban Risk Reduction”, European Commission, 2005-2008.

Istanbul Earthquake Risk Mitigation Master Plan Study, Istanbul Metropolitan Municipality, Istanbul, 2002-2003.

NATO Science for Peace Project, “Enhancement of the National Strong Motion Network and Establishing Seismic Arrays in Turkey”, 2000-2002.

NATO Collaborative Research, “Predicting Intensity and Damage Distribution during the 1995 Dinar Earthquake”, Ankara, 1998-1999.

World Bank Project, “Revision of Turkish Development Law (No. 3194) for Enhancing Measures Against The Effects of Natural Disasters”, Ankara, 1997-1999.

EDUCATION PROJECTS (Co-Coordinator)

FP7 Joint Master Program, MEEES (ERASMUS MUNDUS EM-II), 2010-2016.

CONSULTING AND ADVISING EXPERIENCE (Last 12 Years):

Seismic Design Consultant, Istanbul Grand (3rd) Airport Terminal, Istanbul, 2015-

Seismic Design Consultant, Seismic Isolation of Istanbul University Capa and Cerrahpasa Hospital Complex, 2015-

Expert, Consultant to Prota, World Bank Project on Seismic Prioritization of Provinces and Public Buildings in Turkey, 2010-2012.

Seismic Design Consultant, Seismic Isolation of Erzurum Hospital Complex, 2011-2013

Seismic Design Consultant, Seismic Isolation of Sabiha Gökçen International Airport Terminal, Istanbul, 2008-2009.

Approval Authority for the Project Implementation Unit (PIU), World Bank Project on Seismic Rehabilitation of Public Buildings in Istanbul

Consultant to Prota, World Bank Project on Retrofit Feasibility Study in Bakırköy, Istanbul, 2005-2009.

Coordinator, Fatih-Küçükçekmece Seismic Risk Reduction Project, Istanbul Metropolitan Municipality, Istanbul, 2005-2008.

Coordinator, Zeytinburnu Pilot Project of the Istanbul Earthquake Master Plan, Istanbul Metropolitan Municipality, Istanbul, 2004-2005.

Expert, World Bank Project for the Reconstruction of Bam, Iran, 2004-2008.

Coordinator, Seismic Vulnerability Assessment of the Branch Buildings of Turkish Central Bank, Ankara, 2002-2003.

Expert, World Bank Projects for the Seismic Resistant Design of Hospital Buildings in Adapazarı, Bolu and Düzce, 2001-2002.

Coordinator, Seismic Vulnerability Assessment of Cooling Stacks, Production and Housing Facilities of the Turkish Petroleum Refineries in Aliağa, Izmir, 2001.

INTERNATIONAL TEXTBOOK

Haluk Sucuoğlu and Sinan Akkar “**Basic Earthquake Engineering-** From Seismology to Analysis and Design”, *Springer* International Publishing, ISBN 978-3-319-01025-0, Switzerland 2014.

TECHNICAL PUBLICATIONS (International Refereed Journals, SCI and SCI Expanded)

1. Perdomo C., Monteiro R., **Sucuoglu H.**, “Generalized force vector for multi-mode pushover analysis of bridges. *Bulletin of Earthquake Engineering*, **15**, pp.5247-5280, 2017.
2. Alici, F.S. and **Sucuoğlu, H.**, “Prediction of Input Energy Spectrum: Attenuation Models and Velocity spectrum Scaling”, *Earthquake Engineering and Structural Dynamics*. Online published, DOI: 10.1002/eqe.2749. 2016.
3. **Sucuoglu, H.** and Ozcamur, U., “Limitations on linear elastic procedures in performance assessment of regular frames”, *Earthquake Engineering and Structural Dynamics*, Vol: 44, No. 15: 2659-2675, 2015.
4. Siddiqui, U. A., **Sucuoglu, H.** and Yakut, A., “Seismic performance of gravity-load designed concrete frames infilled with low-strength masonry” *Earthquakes and Structures*, Vol. 8, No 1: 19-35, 2015.
5. Alici, F. S. and Sucuoglu, H. “Practical Implementation of Generalized Force Vectors for the Multimodal Pushover Analysis of Building Structures” *Earthquake Spectra*, Vol: 31 No. 2: 1043-1067, 2015.
6. Celik, O. C., **Sucuoglu, H.** and Akyuz, U. “Forced Vibration Testing and Finite Element Modeling of a Nine-Story Reinforced Concrete Flat Plate-Wall Building” *Earthquake Spectra*, Vol: 31 No. 2: 1069-1081, 2015.
7. **Sucuoglu, H.**, Yakut, A., Ozmen, A; et al., “Seismic Risk Prioritization and Retrofit Cost Evaluation of Code-Deficient RC Public Buildings in Turkey” *Earthquake Spectra*, Vol. 31, No. 1: 601-614, 2015.
8. Kaatsız K. and **Sucuoğlu, H.**, “Multi-Mode Pushover Analysis of Torsionally Coupled Buildings with Generalized Force Vectors” *Earthquake Engineering and Structural Dynamics*, 2014.
9. Alici S. F. and **Sucuoğlu, H.**, “Practical Implementation of generalized force vectors for the multi-mode pushover analysis of building structures” *Earthquake Spectra*, 2014.
10. **Sucuoğlu, H.**, Wei-Chih Lin, W., Binici, B. and Ezzatfar, P., “Pseudo-Dynamic Testing, Performance Assessment, and Modeling of Deficient Reinforced Concrete Frames”, *ACI Structural Journal*, 2014.
11. **Sucuoğlu H.** and Siddiqui, U. A., “Pseudo-dynamic testing and analytical modeling of AAC infilled RC frames”, *Journal of Earthquake Engineering*, 2014.
12. **Sucuoğlu, H.** “Implications of Masonry Infill and Partition Damage on the Performance Perception in Residential Buildings after a Moderate Earthquake”, *Earthquake Spectra*, May 2013.
13. Aldemir, A., Erberik, M.A., Demirel, I.O. and **Sucuoglu, H.**, “Seismic Performance Assessment of Unreinforced Masonry Buildings with a Hybrid Modeling Approach”, *Earthquake Spectra*, Vol. 29, No. 1: 33–57, 2013.
14. Yakut, A., **Sucuoğlu, H.** and Akkar, S., “Seismic Risk Prioritization of Residential Buildings in Istanbul”, *Earthquake Engineering and Structural Dynamics*, Vol. 41:1533–1547, 2012.
15. Erberik, M.A., **Sucuoğlu, H.** and Acun, B., “Inelastic Displacement Response of RC Systems with Cyclic Deterioration- An Energy Approach”, *Journal of Earthquake Engineering*, Vol. 16: 937–962, 2012.
16. Acun, B. and **Sucuoglu, H.**, “Energy Dissipation Capacity of R/C Columns under Cyclic Displacements”, *ACI Structural Journal*, Vol. 109, No. 4, 531-540, July-August 2012.
17. **Sucuoğlu, H.** and Acun, B., “Energy-Based Hysteresis Model for the Flexural Response of R/C Columns”, *ACI Structural Journal*, Vol. 109, No. 4, 541-550, July-August 2012.
18. **Sucuoğlu, H.**, and Günay M.S., “Generalized Force Vectors for Multi-Mode Pushover Analysis” *Earthquake Engineering and Structural Dynamics*, Vol. 40: 55-74, 2011.
19. **Sucuoğlu, H.** and Karageyik, C., “A Displacement-Based Approach for the Seismic Retrofitting of Medium Rise Non-Ductile RC Frames with Added Shear Walls”, *Journal of Earthquake Engineering*, Vol. 15, No.6, 959-968, 2011.

20. **Sucuoğlu, H.** and Acun, B., "Evaluation of the Performance Limit States of Reinforced Concrete Columns in View of Experimental Observations (in Turkish)", *IMO Technical Bulletin*, Vol. 22, No. 3, 5523-5542, 2011.
21. Acun B. and **Sucuoğlu, H.**, "Performance of Flexure Controlled Concrete Columns under Severe Displacement Cycles", *ACI Structural Journal*, Vol. 107, No. 3, 364-371, 2010.
22. Günay M.S and **Sucuoğlu, H.**, "An improvement to Linear Elastic Procedures for Seismic Performance Assessment" *Earthquake Engineering and Structural Dynamics*, Vol. 39: 907-931, 2010.
23. Günay, M.S. and **Sucuoğlu, H.**, "Predicting the Seismic Response Capacity of Capacity-Designed Structures by Equivalent Linearization", *Journal of Earthquake Engineering*, Vo. 13, No. 5, 601-623, 2009.
24. Şengöz A. and **Sucuoğlu, H.**, "Pros and Cons of Assessment Methods in the 2007 Turkish Earthquake Code (in Turkish)", *IMO Technical Bulletin*, Vol. 20, No. 1, 4609-4633, 2009.
25. **Sucuoğlu, H.**, Yazgan, U. and Yakut, A., "A Screening Procedure for Seismic Risk Assessment in Urban Building Stocks" *Earthquake Spectra*, Vol. 23, No. 2, 441-458, 2007.
26. Gülkan, P., Çeken, U., Çolakoğlu, Z., Uğraş, T., Kuru, T., Apak, A., Anderson, J.G., **Sucuoğlu, H.**, Çelebi, M., Akkar, D.S., Yazgan, U. and Denizlioğlu, A.Z., "Enhancement of the National Strong-Motion Network in Turkey", *Seismological Research Letters*, Vol. 78, No. 4, 429-438, 2007.
27. Akkar, S.D., **Sucuoğlu, H.** and Yakut, A., "Displacement-Based Fragility Functions for Low and Mid-Rise Ordinary Concrete Buildings" *Earthquake Spectra*, Vol. 21, No. 4, 901-928, 2005.
28. Arıkan, M. and **Sucuoğlu, H.** "Economic Assessment of the Seismic Retrofitting of Low-Cost Apartment Buildings", *Journal of Earthquake Engineering*, Vol. 9, No. 4, 577-584, 2005.
29. **Sucuoğlu, H.**, Gür, T. and Günay, M.S., "Performance-Based Seismic Rehabilitation of Damaged RC Buildings", *Journal of Structural Engineering, ASCE*, Vol.130, 1475-1486, 2004.
30. Erberik, A. and **Sucuoğlu, H.**, "Seismic Energy Dissipation in Deteriorating Systems through Low-Cycle Fatigue", *Earthquake Engineering and Structural Dynamics*, Vol. 33, 49-67, 2004.
31. **Sucuoğlu, H.** and Erberik, A., "Energy-Based Hysteresis and Damage Models for Deteriorating Systems", *Earthquake Engineering and Structural Dynamics*, Vol. 33, 69-88, 2004.
32. **Sucuoğlu, H.**, Anderson, J.G. and Zeng, Y., "Predicting Intensity and Damage Distribution During the 1995 Dinar Earthquake with Generated Strong Motion Accelerograms", *Bull. Seismological Society of America*, Vol. 93. No. 3, 1267-1279, 2003.
33. Bakır, B.S., **Sucuoğlu, H.** and Yılmaz, T., "An Overview of Local Site Effects and the Associated Building Damage in Adapazarı during the 17 August 1999 Izmit Earthquake", *Bull. Seismological Society of America*, Vol. 92, No. 1, 509-526, 2002.
34. **Sucuoğlu, H.** "Engineering Characteristics of the Near-Field Strong Motions from the 1999 Kocaeli and Düzce Earthquakes in Turkey", *Journal of Seismology* 6, 347-355, 2002.
35. Wasti, S.T., **Sucuoğlu, H.** and Utku, M., "Structural Rehabilitation of Damaged RC Buildings after the 1 October 1995 Dinar Earthquake", *Journal of Earthquake Eng.*, Vol. 5, No. 2, 131-151, 2001.
36. **Sucuoğlu, H.** and Yılmaz, T., "Düzce, Turkey: A City Hit by two Major Earthquakes in 1999 within Three Months", *Seismological Research Letters*, Vol. 72, No. 6, 679-689, 2001.
37. Anderson, J.G., Zeng, Y. and **Sucuoğlu, H.**, "Analysis of Accelerations from the 1 October 1995 Dinar, Turkey Earthquake", *Bull. Seismological Society of America*, Vol. 91, No. 6, 1433-1445, 2001.
38. Anderson, J.G., **Sucuoğlu, H.**, Erberik, A. and Yılmaz, T., "Strong Motions from the 1999 Kocaeli Earthquake: Implications for Seismic Hazard Analysis", *Earthquake Spectra*, Supplement A to Vol. 16, 113-137, 2000.
39. Karancı, N.A., Alkan, N., Akşit, B., **Sucuoğlu, H.** and Balta, E., "Gender Differences in Psychological Distress, Coping, Social Support and Related Variables Following the 1995 Dinar Earthquake", *North American Journal of Psychology*, Vol. 1, No.2, 189-204, 1999.

40. **Sucuoğlu, H.**, Yüçemen, S., Gezer, A. and Erberik, A., "Statistical Evaluation of the Damage Potential of Earthquake Ground Motions", *Structural Safety* 20, 357-378, 1998.
41. Gülkan, P., **Sucuoğlu, H.**, Erberik, M.A. and Akkar, S., "Dinar Aftershock Tests Retrofitted Buildings", *EERI Newsletter*, Vol. 32, No. 9, 6-8, 1998.
42. **Sucuoğlu, H.** and Vallabhan, C.V.G., "Behavior of Window Glass during Earthquakes", *Engineering Structures*, Vol. 19, No. 8, 685-694, 1997.
43. **Sucuoğlu, H.** and Erberik, A., "Performance Evaluation of a 3-Story Unreinforced Masonry Building during the 1992 Erzincan Earthquake" *Earthquake Engineering and Structural Dynamics*, Vol. 26, 319-336, 1997.
44. **Sucuoğlu, H.**, Nurtuğ, A., Ergünay, O. and Gencoğlu, S., "Engineering Evaluation of the 1 October 1995 Dinar Earthquake ($M_L=5.9$)", *Journal of Earthquake Engineering*, Vol. 1, No. 3, 581-602, 1997.
45. **Sucuoğlu, H.**, "An Approach to the Measurement of the Potential Structural Damage of Earthquake Ground Motions", *Earthquake Engineering and Structural Dynamics*, Vol. 26, 1283-1285, 1997.
46. **Sucuoğlu, H.**, "Inelastic Seismic Response of Precast Concrete Frames with Constructed Plastic Hinges", *Computers and Structures*, Vol. 56, No. 1, 121-131, 1995.
47. **Sucuoğlu, H.**, "The Effect of Connection Rigidity on the Seismic Response of Precast Concrete Frames", *PCI Journal*, Vol. 40, No.1, 94-103, January-February 1995.
48. **Sucuoğlu, H.** and Nurtuğ, A., "Earthquake Ground Motion Characteristics and Seismic Energy Dissipation", *Earthquake Engineering and Structural Dynamics*, Vol. 24, 1195-1213, 1995.
49. Nurtuğ, A. and **Sucuoğlu, H.**, "Prediction of Seismic Energy Dissipation in SDOF Systems", *Earthquake Engineering and Structural Dynamics*, Vol. 24, 1215-1223, 1995.
50. **Sucuoğlu, H.**, Çıtıptıoğlu, E. and Altın, S., "Resistance Mechanisms in R/C Building Frames Subjected to Column Failure", *Journal of Structural Eng.*, ASCE, Vol.120, No.3, 765-782, 1994.
51. **Sucuoğlu, H.**, Dicleli, M. and Nurtuğ, A., "An Analytical Assessment of Elastic and Inelastic Response Spectra", *Canadian Journal of Civil Eng.*, Vol. 21, No. 3, 386-395, 1994.
52. Gülkan, P., **Sucuoğlu, H.** and Çıtıptıoğlu, E., "A Massive Buried Concrete Dome, Turkey", *Structural Engineering International (IABSE)*, Vol. 4, No. 3, 153-155, 1994.
53. **Sucuoğlu, H.** and McNiven, H.D., "Seismic Shear Capacity of Reinforced Masonry Piers", *Journal of Structural Eng.*, ASCE, Vol.117, No.7, 2166-2186, 1991.
54. **Sucuoğlu, H.**, "Discussion on the Inelastic Behavior of Concrete Masonry Shear Walls", *Journal of Structural Eng.*, ASCE, Vol.117, No.9, 2805-2807, 1991.
55. **Sucuoğlu, H.**, "Nonlinear Analysis of Tunnel Liners Under Longitudinal Bending", *Proceedings of the Institute of Civil Engineers*, Part 2, Vol.87, 159-174, 1989.
56. **Sucuoğlu, H.**, Mengi, Y. and McNiven, H.D., "A Linear Mathematical Model for the Seismic Behavior of Masonry, Part 2: Determination of Model Parameters through Optimization", *Earthquake Engineering and Structural Dynamics*, Vol.12, 327-346, 1984.
57. Mengi, Y., **Sucuoğlu, H.** and McNiven, H.D., "A Linear Mathematical Model for the Seismic Behavior of Masonry, Part 1: Theoretical Considerations", *Earthquake Engineering and Structural Dynamics*, Vol.12, 313-324, 1984.

REPORTS AND BOOK CHAPTERS

1. Ezzatfar, P., Binici, B., Kurç, Ö., Canbay, E., **Sucuoğlu, H.** and Özcebe, G. "Application of Mesh Reinforced Mortar for Performance Enhancement of Hollow Clay Tile Infill Walls". *Seismic Evaluation and Rehabilitation of Structures*, 171-186; Springer International Publishing, 2014.
2. Yakut, A., Erberik, A., Ilki, A., **Sucuoğlu, H.** and Akkar, S. "Rapid Seismic Assessment Procedures for the Turkish Building Stock". *Seismic Evaluation and Rehabilitation of Structures*, 15-36; Springer International Publishing, 2014.

3. Kurç, Ö., **Sucuoğlu, H.**, Molinari, M. And Zanon, G. "Qualification of Large Testing Facilities in Earthquake Engineering Research". *Role of Seismic Testing Facilities in Performance-Based Earthquake Engineering*. Geotechnical, Geological and Earthquake Engineering, Volume 22, Chapter 15, Springer, Dordrecht, 2012.
4. **Sucuoğlu, H.** "The Role of Analytical Models and Analysis Methods in Performance Based Earthquake Engineering", *Earthquake Engineering and Engineering Seismology: Past Achievements and Future Prospects*, (Honouring Polat Gülkan), 259-282, METU, Ankara, 2011.
5. Acun, B. and **Sucuoğlu, H.** "The Effect of Displacement History on the Performance of Concrete Columns in Flexure". *Advances in Performance-Based Earthquake Engineering*. Geotechnical, Geological and Earthquake Engineering, Volume 13, Chapter 35, Springer, Dordrecht, 2010.
6. **Sucuoğlu, H.** and Günay, M.S. "Multi-Mode Pushover Analysis with Generalized Force Vectors". *Advances in Performance-Based Earthquake Engineering*. Geotechnical, Geological and Earthquake Engineering, Volume 13, Chapter 20, Springer, Dordrecht, 2010.
7. Günay, M.S. and **Sucuoğlu, H.** "An Equivalent Linearization Procedure for Displacement Based Seismic Assessment of Vulnerable RC Buildings". *Advances in Earthquake Engineering for Urban Risk Reduction*. NATO Science Series IV, Vol. 66, 63-78, Springer, Dordrecht, 2006.
8. Özcebe, G., **Sucuoğlu, H.**, Yücemem, M.S. and Yakut, A. "In Defence of Zeytinburnu". *Advances in Earthquake Engineering for Urban Risk Reduction*. NATO Science Series IV, Vol. 66, 95-116, Springer, Dordrecht, 2006.
9. Akkar, S., **Sucuoğlu, H.** and Yakut, A. "Influence of Ground Motion Intensity on the Performance of Low and Mid Rise Ordinary Concrete Buildings". *Directions in Strong Motion Instrumentation*. NATO Science Series IV, Vol. 58, 123-138, Springer, Dordrecht, 2005.
10. Akkar, S. and **Sucuoğlu, H.** "Peak Ground Velocity Sensitive Deformation Demands and a Rapid Damage Assessment Approach". *Seismic Assessment and Rehabilitation of Existing Buildings*. NATO Science Series IV, Vol. 29, 77-96, Kluwer, Dordrecht, 2003.
11. **Sucuoğlu, H.** and Yazgan, U. "Simple Survey Procedures for Seismic Risk Assessment in Urban Building Stocks". *Seismic Assessment and Rehabilitation of Existing Buildings*. NATO Science Series IV, Vol. 29, 97-118, Kluwer, Dordrecht, 2003.
12. **Sucuoğlu, H.** (Task Group Member) "Seismic Assessment and Retrofit of Reinforced Concrete Buildings". State-of-art report prepared by Task Group 7.1, Bulletin 24, International Federation for Structural Concrete (*fib*), Sprint-Digital-Druck, Stuttgart, 2003.
13. Çitipitioğlu, E., **Sucuoğlu, H.** and Altın, S., "Reserve Strength and Rehabilitation of a Reinforced Concrete Building", *American Concrete Institute* Publication SP-128, 1347-1362, 1991.
14. **Sucuoğlu, H.** and Aktan, A.E., "Hysteretic Response of Reinforced Concrete Frames", *American Concrete Institute* Publication SP-63, 153-171, 1980.

INTERNATIONAL CONFERENCES

1. **Sucuoğlu, H.**, "Fundamental Concepts of Performance Based Earthquake Engineering", The 2015 International Conference on Earthquakes and Structures (ICEAS15), Incheon, Korea, 2015.
2. Alici, F.S., **Sucuoğlu, H.**, "Practical implementation of generalized pushover analysis for multimodal pushover analysis", The 2015 International Conference on Earthquakes and Structures (ICEAS15), Incheon, Korea, 2015.
3. Kaatsız, K. and **Sucuoğlu, H.**, "Generalized force vectors for analysis of torsionally coupled systems. The 2015 International Conference on Earthquakes and Structures (ICEAS15), Incheon, Korea, 2015.
4. **Sucuoğlu, H.**, "Detrimental Role of Masonary Infills on the Seismic Performance of Residential Buildings. Second International Workshop on Seismic Performance of Non-Structural Elements, Pavia, Italy, 2015.
5. **Sucuoğlu, H.**, Performance Based Procedures in the Assessment and Retrofitting of Existing Structures. The Sixth Jordanian International Civil Engineering Conference, Amman, Jordan. 2015.

6. **Sucuoğlu H.**, Yakut A., Kubin J and Özmen A., "Seismic Risk Prioritization of RC Public Buildings in Turkey", 15th World Conference on Earthquake Engineering, Paper 0836, Lisbon, Portugal, 2012.
7. Alici, F.S., Kaatsız, K. and **Sucuoğlu, H.**, "Practical Implementation of Generalized Pushover Analysis", 15th World Conference on Earthquake Engineering, Paper No. 0838, Lisbon, Portugal, 2012.
8. Kubin, J., D. Kubin, A. Özmen, O.B. Sadan, E. Eroğlu. **H. Sucuoğlu**, S. Akkar, "Seismic Isolated Hospital Design Practice in Turkey: Erzurum Medical Campus", 15th World Conference on Earthquake Engineering, Paper No. 4745, Lisbon, Portugal, 2012.
9. Kubin, J. D. Kubin, A. Özmen, O.B. Sadan, E. Eroğlu. **H. Sucuoğlu**, "Seismic Retrofit of an Existing Multi-Block Hospital by Seismic Isolators", 15th World Conference on Earthquake Engineering, Paper No. 4848, Lisbon, Portugal, 2012.
10. Günay, M.S. and **Sucuoğlu, H.** "Multi-Mode Pushover Analysis with Generalized Force Vectors" 9th US National and 10th Canadian Conference on Earthquake Engineering, Paper No: 43, Toronto, Canada, July 2010.
11. Günay, M.S. and **Sucuoğlu, H.** "An Improvement to Linear Elastic Procedures for Seismic Performance Assessment" 14th European Conference on Earthquake Engineering, Ohrid, Macedonia, August 2010.
12. Acun, B. and **Sucuoğlu, H.**, "Performance Limits for Reinforced Concrete Columns Under Severe Displacement Cycles", 3rd fib International Congress, Paper No: 322, Washington D.C., USA., 2010.
13. Karageyik, C. and **Sucuoğlu, H.** "Simplified Retrofit Solutions for School Buildings", WCCE – ECCE – TCCE Joint Conference: Earthquake & Tsunami, Paper No. 32, Istanbul, June 2009.
14. Karageyik, C. and **Sucuoğlu, H.** "Displacement Based Seismic Rehabilitation of Non-Ductile RC Frames with Added Shear Walls", ATC-SEI Conference on Improving the Seismic Performance of Existing Buildings, San Francisco, December 2009.
15. Günay, M.S. and **Sucuoğlu, H.** "Inelastic Seismic Displacement Response Prediction of MDOF Systems by Equivalent Linearization". 14th World Conference on Earthquake Engineering, Beijing, China, 2008.
16. Acun, B. and **Sucuoğlu, H.** "Seismic Response of RC Columns with Strength Deterioration". 9th Canadian Conference on Earthquake Engineering, Paper No. 1030, Ottawa, 2007.
17. Soyöz, S., Çetin, K.O., and **Sucuoğlu, H.** "Effects of soil-structure interaction and base isolation on seismic performance of foundation soils". 4th International Conference on Earthquake Geotechnical Engineering, Thessalonica, 2007.
18. Hopkins, D., **Sucuoğlu, H.**, Sharpe, R. and Kubin, D. "Residential Retrofitting in Istanbul- Key Issues to Make Implementation Possible". 8NCEE, Paper No. 2083, San Francisco, 2006.
19. **Sucuoğlu, H.**, Hopkins, D., Jury, R., Kubin, J., Özmen, A. and Özcebe, G. "Developing Retrofit Solutions for the Residential Building Stocks in Istanbul". 8NCEE, Paper No. 572, San Francisco, 2006.
20. **Sucuoğlu, H.** "Seismic risk mitigation studies in Istanbul". 8NCEE, Paper No. 2078, San Francisco, 2006.
21. Hopkins, D., **Sucuoğlu, H.**, Sharpe, R., Kubin, D. and Gülkan, P. "Residential Retrofitting in Istanbul- Realities in Bakırköy". 8NCEE, Paper No. 599, San Francisco, 2006.
22. Acun, B. and **Sucuoğlu, H.** "Strengthening of Masonry Infill Walls in Reinforced Concrete Frames with Wire Mesh Reinforcement". 8NCEE, Paper No. 1852, San Francisco, 2006.
23. Özcebe, G., **Sucuoğlu, H.**, Yüçemen, S.M., Yakut, A. and Kubin, J. "Seismic Risk Assessment of Existing Building Stock In Istanbul: A Pilot Application In Zeytinburnu District". 8NCEE", Paper No. 1737, San Francisco, 2006.

24. **Sucuoğlu, H.** "The Turkish Seismic Rehabilitation Code". First European Conference on Earthquake Engineering and Seismology, Paper No. 318, Geneva, 2006.
25. Günay, M.S. and **Sucuoğlu, H.** "Capacity Control Method for Seismic Assessment of Low to Medium Rise Reinforced Concrete Buildings". First European Conference on Earthquake Engineering and Seismology, Paper No. 1042, Geneva, 2006.
26. **Sucuoğlu, H.** "Seismic Risk Mitigation Strategies for Istanbul". Sixth Annual IIASA-DPRI Forum on Integrated Disaster Risk Management, Istanbul, 2006.
27. **Sucuoğlu, H.** "Safe Schools Campaign in Turkey". International Workshop on School Earthquake Safety, Paper No. 13, Turkish Ministry of Education, Istanbul, 2006.
28. Günay, S. and **Sucuoğlu, H.** "Capacity Based Equivalent Linear Modelling of the Spear Test Frame". Seismic Performance Assessment and Rehabilitation of Existing Buildings, SPEAR Workshop, 217-228, European Commission, Ispra, 2005.
29. **Sucuoğlu, H.** and Erberik, A. "Energy Based Performance Evaluation of Deteriorating Structures" 13'th World Conference on Earthquake Engineering, Paper No. 3205, Vancouver, 2004.
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