



Exponent[®]
Engineering & Scientific Consulting

Ellie Moore, Ph.D., P.E.

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Professional Profile

Dr. Ellie Moore is a licensed civil engineer specializing in structural analysis and design of new buildings and structures, seismic evaluation and retrofit design of existing buildings, fatigue analysis, and code compliance evaluations of structures and structural components. She has design and evaluation experience with commercial, industrial, and residential structures which include wind towers, power plants, water treatment facilities, and theme parks constructed of concrete, masonry, wood, and steel.

Dr. Moore has performed analysis and design work on projects located throughout the United States that range from small facilities to structures with complicated geometries demanding non-linear modeling or sophisticated soil-structure interaction analyses.

Dr. Moore has successfully managed multi-disciplinary design work on projects with construction costs of over \$1B with an emphasis on providing efficient and economical services to clients.

Dr. Moore's doctoral dissertation was focused on developing accurate means of estimating the performance of a non-ductile concrete frame building when subjected to earthquake loading. The evaluation and retrofit of the subject building has received an award of excellence in structural engineering design from SEAOSC.

Academic Credentials & Professional Honors

Ph.D., Civil Engineering, University of California, Los Angeles (UCLA), 2021

M.S., Building Science, University of Southern California, 2010

B.S., Civil Engineering, Sharif University of Technology, Iran, 2005

Graduate Research Scholarship Recipient 2008-2010

American Society of Civil Engineers Award 2018

Academic Appointments

Adjunct Faculty, Woodbury University, 2019-2020

Prior Experience

Project Manager/Associate, Walter P Moore, 2016-2019

Project Manager/Senior Engineer, AECOM, 2012-2015

Senior Engineer, Structural Design Plus, 2008-2012

Professional Affiliations

American Society of Civil Engineers (ASCE)

American Concrete Institute (ACI)

Structural Engineers Association of Southern California (SEAOSC)

Languages

French

Publications

Wallace, J. W., Moore, E., Hershberg, M., Toranzo, L., Del Carpio, M. (2018). Physical Testing of a Non-Ductile Concrete Moment Frame Building. 11th National Conference on Earthquake Engineering, Angeles, California, 2018

Presentations

Wallace, J. W., Moore, E., Franz Hall Laboratory Testing and Evaluation. University of California Los Angeles (UCLA) Graduate Seminar, Los Angeles, California, 2018-2019

Wallace, J. W., Moore, E., Hershberg, M., Toranzo, L., Del Carpio, M., Physical Testing of a Non-Ductile Concrete Moment Frame Building. 11th National Conference on Earthquake Engineering, Angeles, California, 2018

Wallace, J. W., Moore, E., Hershberg, M., Toranzo, L., Del Carpio, M., Franz Hall Laboratory Testing and Evaluation. Earthquake Engineering Research Institute (EERI), Angeles, California, 2017