



Exponent[®]
Engineering & Scientific Consulting

Morgan Griffith, P.E.

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Professional Profile

Mr. Griffith specializes in the areas of non-linear structural analysis, performance-based design and assessment of structures, earthquake engineering, and soil-structure interaction. Mr. Griffith has performed analyses of structures under extreme loading conditions including those imposed by seismic, wind, flood and snow loads.

Mr. Griffith has assessed damage to structures due to earthquake, wind, fire, ground settlement and material degradation such as wood decay and steel corrosion. He has experience in the design and analysis of wood, steel, and concrete structures as well as in geotechnical investigations for offshore foundation design.

Prior to joining Exponent, Mr. Griffith worked as a geotechnical engineer in The Netherlands and as a design engineer in the San Francisco Bay Area where he was involved in a variety of civil and structural engineering projects. At the University of California, Berkeley, Mr. Griffith served as a Graduate Student Instructor for a course in civil engineering materials.

Academic Credentials & Professional Honors

M.S., Civil and Environmental Engineering, University of California, Berkeley, 2004

B.S., Civil and Environmental Engineering, California Polytechnic State University, SLO, 1999

Licenses and Certifications

Professional Engineer, Alaska, #119537

Professional Engineer, Arizona, #65003

Professional Engineer Civil, California, #65757

Professional Engineer, North Carolina, #047537

Professional Engineer, Ohio, #PE.79528

Professional Engineer, Washington, #51485

Professional Affiliations

Structural Engineers Association of Northern California (member)

American Society of Civil Engineers (member)

Publications

Bishop CD, Griffith M, McDonald BM. Instability of solar power tower structures during construction. Proceedings of the Annual Stability Conference, Structural Stability Research Council, Orlando, FL, April 12-15, 2016.

Peraza D, Coulbourne W, Griffith M (eds), Engineering investigations of hurricane damage. American Society of Civil Engineers, 2014.

Wolf J, Griffith M. Wind-driven rain as a design parameter. ASCE Structures Congress, Vancouver, B.C., 2008.

Moncarz P, Griffith M, Noakowski P. Collapse of a reinforced concrete dome in a wastewater treatment plant digester tank. Journal of Performance of Constructed Facilities, American Society of Civil Engineers 2007; 21(1), January/February.

Gupta A, McDonald BM, Griffith M, Osteraas J. Displacement coefficients for conventional residential wood-frame structures. 100th Anniversary Earthquake Conference Commemorating the 1906 San Francisco Earthquake, San Francisco, CA, April 18-22, 2006.

Fiegel G, Elia V, Griffith M. Geotechnical engineering for elementary school students. Proceedings, Educational Issues in Geotechnical Engineering by the Geo-Institute of the American Society of Civil Engineers, Denver, CO, August 5-8, 2000.

Selected Invited Presentations

Griffith M, Bennett P. Wall bracing provisions of the 2012 IRC. Presented to the Colorado Chapter of the International Code Council, Denver, CO, March 2014.

Griffith M. Engineering issues for post-earthquake damage assessment. Presented to various insurance companies and independent insurance adjustor associations, CA, CO, GA, 2005-present.

Griffith M. Avila Beach petroleum cleanup project. Presented to Fugro Engineers, Leidschendam, The Netherlands, February 2000.