Exponent
Failure Analysis Associates®

Exponent
149 Commonwealth Drive
Menlo Park, CA 94025

telephone 650-326-9400
facsimile 650-326-8072
www.exponent.com

Amanda L. Maino, P.E., LEED AP

Senior Engineer

Professional Profile

Ms. Amanda L. Maino is a Senior Engineer in Exponent's Buildings and Structures practice. She specializes in architectural and construction technology. Her expertise includes performance of building systems, materials and envelopes. She has consulted extensively on problems associated with waterproofing systems, exterior wall systems including windows and doors, and interior finishes including flooring. She has performed field water testing of window, door, and wall systems.

Ms. Maino has investigated wall systems on residential, commercial, and temporary structures, including plaster, Exterior Insulation Finish Systems (EIFS), fiber cement panels, glass curtain wall systems, tile and hardboard and wood siding. She is certified with The Association of the Wall and Ceiling Industries as an EIFS industry professional.

Ms. Maino has assessed damage to structures due to earthquake, wind, fire, ground settlement, and material degradation. She has conducted pre- and post-construction surveys of buildings in the vicinity of excavations and deep dynamic compaction. Other investigations include building condition assessments of the structures following the 2006 Hawaii earthquake and Hurricane Ike.

At The Pennsylvania State University, Ms. Maino graduated with a degree in Architectural Engineering. While her primary focus was in structural building systems, the Architectural Engineering program allowed her to encompass all aspects of a building structure, such as mechanical systems, lighting and electrical systems, and many aspects of construction management, including claims resolution. Her areas of research are comprised of building envelope waterproofing failures and blast-resistant design techniques.

Prior to joining Exponent, Ms. Maino worked for TrusJoist, a Weyerhaeuser Business, where she specialized primarily in repair specifications for engineered wood products. Additional experience at TrusJoist included analyses of wood floor deflection and vibration problems, wood shear panel connections, and engineered lumber in walls under high wind velocity conditions.

Academic Credentials and Professional Honors

M.A.E., Architectural Engineering, The Pennsylvania State University, 2006
B.A.E., Architectural Engineering, The Pennsylvania State University, 2006

Phi Alpha Epsilon – Architectural Engineering Honor Society

Licenses and Certifications

Licensed Professional Civil Engineer, California, #72774
Leadership in Energy and Environmental Design Accredited Professional (LEED AP), 2008
Certified with the Association of the Wall and Ceiling Industry as an EIFS Industry Professional
Safety Assessment Evaluator, California Governor's Office of Emergency Services #SAP63398

Publications

Maino AL, Keclik GB. Lessons learned for exterior insulation finish systems. Proceedings, Architectural Engineering Institute Conference, Denver, CO, September 26, 2008.

Presentations

Maino AL. Forensic engineering technical case studies. Presented at Penn State University, State College, PA, September 23, 2009.

Maino AL. Lessons learned for exterior insulation finish systems. Presented at the Architectural Engineering Institute Conference, Denver, CO, September 26, 2008.

Professional Affiliations

- American Society of Civil Engineers (associate member)
- The American Institute of Architects (associate member)