



SGH 2013 PROMOTIONS

Simpson Gumpertz & Heger is pleased to announce its new Principals and Associate Principals. These individuals possess the expertise and the dedication to clients that enable our continued success. Please join us in congratulating them.

Dominic J. Kelly | Principal

Dominic has over twenty years of structural design, evaluation, and investigation experience on building and non-building structures. He has investigated numerous projects involving structural failures and defects. He has also performed many seismic retrofit designs and damage assessments. Some of Dominic's recent projects include structural assessment of existing components during demolition at Salem State University Library, failure investigation and repair/replacement design of a bulkhead seawall at MBTA Quincy Ferry Terminal, and a structural evaluation for transporting and lifting oil and gas processing plant super modules. He is active in numerous concrete and seismic committees. These include ACI 318 Structural Building Code Committee and subcommittees (shear and torsion; seismic design), Building Seismic Safety Council's Provisions Update Committee and subcommittees (diaphragms; anchorage to concrete), ASCE/SEI 7 Subcommittee on Seismic Loads, and Applied Technology Council's Project 98 – Use of High-Strength Reinforcement for Seismic Resistance.



Susan L. Knack-Brown | Principal

Susan has fifteen years of experience working on building enclosure investigations and designs involving both contemporary structures, such as the Fisher Center for Performing Arts, and landmarks, such as Boston's Quincy Market. Susan specializes in large-scale preservation projects. She applies a broad range of technologies to the restoration of landmark buildings. Some of Susan's signature projects include the multi-phase, multi-year roof rehabilitation and skylight restoration on the New York State Capitol; and the roof replacement on the Massachusetts State House. She has also worked with The First Church of Christ, Scientist to assist them with condition assessments, interim repairs, long-range strategic planning, and restoration designs for the plaza and five buildings on their Boston campus.



Wen H. Tong | Principal

Wen has over thirty years of experience in seismic structural dynamics analysis and evaluations of seismic capacities of building structures and equipment for commercial nuclear power plants, DOE facilities, refineries, wafer manufacturing facilities, and hospitals. He has performed and managed seismic fragility and seismic margins evaluations for more than thirty commercial nuclear power plants in North America, Europe, and Asia. His recent work includes seismic fragility evaluations for operating plants in high seismic zones, a seismic probabilistic risk assessment for heavy water pressurized water reactors, probabilistic seismic response analyses of nuclear power plants on deep soil sites, and seismic fragility evaluations of nuclear island structures. Wen has also provided seismic probabilistic safety assessments, seismic margins assessment, and Seismic Qualification Utility Group (SQUG) training courses to utilities and A/E firms.



Peter M. Babaian | Associate Principal

Peter has twelve years of experience designing, investigating, and rehabilitating a variety of building enclosures and structures. His recent building enclosure projects include the skylight and laylight restoration at MIT's Building 10 Great Dome, sealant replacement at the University of Notre Dame's Hesburgh Library, and historic masonry preservation and rehabilitation design for the Longfellow and Anderson Memorial Bridges over the Charles River. His building structure projects include concrete flat plate design for the Macallen Building parking garage and foundation underpinning at Longview Condominiums. Peter is also an enclosure commissioning agent for the Massachusetts School Building Authority for the Accelerated Repairs Program.



Matthew B. Bronski | Associate Principal

Matthew has eighteen years of experience investigating and diagnosing the causes and consequences of building enclosure and structural problems in historic buildings (both traditional and modernist). He designs sensitive and appropriate repairs, restorations, or rehabilitations to solve those problems. He has led SGH's enclosure investigation and rehabilitation/restoration design efforts on numerous architecturally significant buildings, including those designed by H.H. Richardson, Frank Lloyd Wright, SOM, and Josep Lluís Sert. Matthew has lectured and written on topics ranging from preservation philosophy and standards to moisture-related problems with contemporary building enclosures, and he has served as an invited guest lecturer or critic for architecture and historic preservation courses at numerous universities.



Scott J. DiFiore | Associate Principal

Scott has nineteen years of experience designing, investigating, and rehabilitating structures. He combines his geotechnical and structural engineering knowledge to solve complex problems for below-grade construction, including underpinning systems, excavation-support systems, foundations, retaining walls, and tunnels. His work also includes assessment and repair of deteriorated concrete, evaluation and design of structural systems for alternative energy projects (wind and solar), design of temporary works for contractors, and investigation of below-grade leakage. Some of Scott's significant projects include foundation and structural design for government radar towers, failure investigation and repair design of large mechanically stabilized earth walls, rehabilitation of a suspended concrete ceiling over the Massachusetts Turnpike (below Hynes Convention Center), and underpinning design for a nine-story office building in South Boston. Scott serves on the Codes and Standards Committee for the Deep Foundations Institute and the Geotechnical Advisory Committee that supports the Massachusetts Building Code.



Aaron Lewis | Associate Principal

Aaron has ten years of experience working on projects involving many diverse applications of civil, geotechnical, and structural engineering. He specializes in designing heavy civil and site/civil infrastructure, foundations, structures, and excavation support systems. He evaluates detailed and complex construction methods; designs repairs and modifications to existing buildings and other structures; investigates building conditions, performance, and failures; analyzes constructability and construction costs; and develops building movement monitoring plans. Aaron's recent projects include several investigations of large roof collapses, the investigation and repair of drilled shafts for an overhead transmission line, the design of modularized slurry pump-houses for the Fort McMurray Oil Sands Project, and the reconstruction of a stormwater pump-house on Storrow Drive in Boston. Aaron also serves as a member of the ASCE/SEI 7 Subcommittee on Snow and Rain Loads.



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