



SGH 2012 PROMOTIONS

Simpson Gumpertz & Heger is pleased to announce its new Senior Principals, 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.

Gregory R. Doelp | Senior Principal

With over twenty-five years of experience, Greg applies his knowledge of plaza and below-grade waterproofing, roofing, masonry, and facades to his work with architects and building owners. Since joining SGH in 1984, he has consulted on the investigation, repair, and rehabilitation of building enclosures. Greg also assists architects with the design of new building enclosures. His projects include roof reconstruction at the Rocky Mountain Laboratory biomedical research facility, plaza waterproofing for the Seaport World Trade Center in Boston, roofing and waterproofing rehabilitation at Harvard University's Gund Hall, as well as building enclosure rehabilitation for many other schools and universities.



Rasko P. Ojdovic | Senior Principal

Rasko joined SGH in 1990 and has more than twenty years of experience working on structural engineering, engineering mechanics, and infrastructure projects. He specializes in large diameter prestressed-concrete cylinder pipe (PCCP) used for transmission and distribution of water and wastewater. Rasko also performs failure investigations, analysis and design, inspections, and condition assessments for structures and components. He has particular expertise with structural repairs using carbon fiber-reinforced polymer (CFRP). His projects include failure risk analysis and repair design for numerous municipal and power plant pipelines throughout the country, structural design for the new integrated pipeline (IPL) project in Fort Worth, TX, and failure investigation of the Dallas Cowboys Practice Facility.



Greggory G. Cohen | Principal

Gregg's career spans structural engineering and insurance restoration (consulting and repair after commercial property losses or disasters). Over the past twenty-five years, he has developed expertise in structural design, investigation, and rehabilitation. He also has demolition planning and cost estimating experience. Gregg's projects include the condition assessment and maintenance plan for Boston Convention and Exhibition Center, a comprehensive condition assessment of the Tsongas Arena, structural analysis and design of the clubhouse addition at Edward A. LeLacheur Park, and structural rehabilitation of the Building W45 parking garage at the Massachusetts Institute of Technology.



Christopher P. Decareau | Principal

Chris has spent over twenty years designing, investigating, and rehabilitating contemporary and historic buildings. At SGH since 1998, he specializes in practical solutions to building science challenges, particularly water intrusion, air/vapor migration, energy loss/conservation, and indoor air quality. Chris' recent projects include condensation analysis and waterproofing design for Broad Art Museum and Clifford Still Museum, condensation analysis for Kaiser Permanente Santa Rosa Campus Hospital, and waterproofing design for a Silicon Valley manufacturing campus.



Matthew H. Johnson | Principal

Matt brings fifteen years of client-focused structural engineering experience to the new design, rehabilitation, and adaptive reuse of buildings and special structures, architectural geometries, and public art. Since joining SGH in 2004, he has leveraged cross-disciplinary capabilities and delivered innovative solutions to complex architectural challenges and award-winning projects. Matt's work includes structural engineering for the Macallen Building, Boston Harbor Islands Pavilion, Levitt Pavilion at SteelStacks, the new Upper and Middle School at Germantown Academy, and the Media Arts & Innovation Center at the University of Rochester.



Michael M. McCall | Principal

Mike has twenty-five years of experience in structural design, investigation, analysis, and construction engineering for bridges. He has broad knowledge of roadway and railway bridge specifications. At SGH since 2001, Mike's work includes many projects for the Massachusetts Department of Transportation (MassDOT) and the Massachusetts Department of Conservation and Recreation (DCR). He develops rehabilitation programs, designs repairs for vehicular and pedestrian bridges, and consults on construction of structural improvements to subway stations, viaducts, tunnels, and other transportation infrastructure.



Matthew R. Sherman | Principal

For nearly twenty years, Matt has evaluated existing structures, designed and implemented structural repairs, and researched concrete and other materials. After joining SGH in 2000, Matt quickly became a resource for evaluating distress in construction materials. He applies his design and investigation skills to conventional and specialty structural applications, such as tremie-placed concrete, piers and wharfs, concrete railroad ties, and pavements and slabs. His projects include analysis of prestressed concrete railroad ties, rehabilitation of multiple college and high school football stadiums, and rehabilitation of the slurry wall panels in Boston's Central Artery/Tunnel.



John H. Thomsen | Principal

John joined SGH in 1999 and has over twenty years of experience in structural engineering. He applies his knowledge of seismic engineering and advanced structural analysis to high-performance structures, including Simmons Hall at Massachusetts Institute of Technology (MIT) and many healthcare-related structures. His recent projects include structural design services for Valley Hospital in Ridgewood, NJ; Nemours Children's Hospital in Orlando, FL; Maine Medical Center in Portland, ME; Southcoast Cancer Center in Fairhaven, MA; and Swedish Hospital in Rockford, IL.



Daniel W. Eggers | Associate Principal

Dan joined SGH's structural mechanics group in 2000. He brings fifteen years of experience in finite element modeling, seismic soil-structure interaction analysis, and design of complex structures. He has recently worked on nuclear-related Department of Energy (DOE) facilities, including Idaho National Laboratory, Savannah River Site, Los Alamos National Laboratory, and Pantex Plant. He also works on new commercial nuclear power plants such as the South Texas Project, Comanche Peak, and Victoria County. In addition, Dan's work includes analysis and design of non-nuclear buildings, pipelines, and precision structures.



Daniel G. Gibbons | Associate Principal

With SGH since 1997, Danny now heads SGH's Roofing and Waterproofing Practice. He has fifteen years of experience specializing in waterproofing new and historic buildings for commercial, institutional, and residential use. He investigates and designs below-grade spaces, plaza decks, exterior walls, and roofing. His projects include a below-grade waterproofing investigation for Mondavi winery and waterproofing design consulting for the Bay Street Emeryville multi-use complex. He has also provided building enclosure engineering services to San Francisco State University, City College of San Francisco, and the University of Washington in Seattle.



Craig B. Goings | Associate Principal

Craig has twenty-two years of experience in new structural design, seismic evaluation, probabilistic risk assessment, and the upgrade of existing buildings and bridges. He has expertise in linear and nonlinear analysis and has developed complex analytical models to assess performance of steel, concrete, and masonry infill structures. Since joining SGH in 2002, he has worked on the structural design of the 500,000 square foot Palladio at Broadstone marketplace in Folsom, CA; the seismic survey of ninety buildings and detailed seismic assessment of eighteen buildings at the University of California, Davis; and the seismic survey of over 500 Kaiser Permanente medical office buildings across the United States.



TECHNICAL BRIEF

Foundation and Retaining Wall Failures: Gathering the Clues | By Scott J. DiFiore, P.E.

When foundations and retaining walls fail, owners, insurance adjusters, and engineers work together to identify causation and develop appropriate rehabilitation options, estimate costs, and eventually implement repairs.

Reference documents, site features, and distress characteristics all provide important clues. Recognizing and gathering these clues quickly is the key to resolving these situations efficiently and effectively.

[more](#)



UPCOMING EVENTS

SGH staff will present at the following events:

Reunión del Concreto | Colombian Association of Concrete Producers (ASOCRETO)

19 - 21 September 2012

Centro de Convenciones Cartagena de Indias, Cartagena, Colombia

Click [here](#) for more information.

New York - New Uses: Guidelines to Adaptive Reuse | SGH

26 September 2012

SGH, 19 W. 34th Street, Suite 1000, New York, NY

Click [here](#) for more information.

6th Congress on Forensic Engineering | American Society of Civil Engineers (ASCE)

31 October - 3 November 2012

Hyatt Regency San Francisco, San Francisco, CA

Click [here](#) for more information.

7th International Cold Climate HVAC Conference | American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

12 - 14 November 2012

Hyatt Regency Calgary, Calgary, Alberta, Canada

Click [here](#) for more information.

ArchitectureBostonExpo (ABX) | Boston Society of Architects (BSA)

14 - 16 November 2012

Boston Convention & Exhibition Center, Boston, MA

Click [here](#) for more information.

FIRM NEWS & NOTES

- SGH is pleased to announce the addition of a new Marine Engineering practice area headed by senior principals Gayle Johnson and Bill Bruin. Click [here](#) to read the complete press release.

- The Boston Harbor Islands Pavilion and Levitt Pavilion SteelStacks projects won Silver Awards from the American Council of Engineering Companies of Massachusetts' (ACEC/MA) 2012 Engineering Excellence Awards. SGH provided structural design on both projects. Click [here](#) to read the complete press release. Boston Harbor Islands Pavilion has won three other awards, and Levitt Pavilion SteelStacks has won five other awards.

- Matthew Bronski has a blog titled "In the Footsteps of Vitruvius" for *Traditional Building* magazine. Click [here](#) to read the latest post.

- Ken Klein wrote "Non-Conventional Sustainable Roofs" for the print version of *Architectural Roofing & Waterproofing*, Vol. 1, 2012.

- Michael Louis and Matthew Carlton co-authored the article "Redundancy, Redundancy, Redundancy: The Key to Eliminating Air and Moisture Leakage Through the Building Envelope" published in the April 2012 issue of *Architectural Roofing & Waterproofing*. Click [here](#) to read the article (free registration required).

- The Michiana Area Construction Industry Advancement Fund (MACIAF) recognized the University of Notre Dame's Hesburgh Library mural and facade repair project with an award in the Masonry Restoration category. SGH provided a hands-on assessment and repair recommendations followed by construction administration during the restoration.

- The May 2012 issue of *Construction Specifier*, contained two SGH authored articles: "How to Prevent Wood Flooring Problems" by Philip Westover, Janelle Leafblad, Jeff Langlois, and Milan Vatovec; and "Flashing: Getting Back to Basics" by Sean O'Brien. Click [here](#) to read the articles.

- At the 2012 AIA National Convention in Washington, DC, Matthew Bronski presented "Design and Construction Durability Principles and Lessons Learned from Hands-on Study of Historic and Contemporary Construction" to an audience of 400. In addition, Vince Cammalleri, Sean O'Brien, Matthew Bronski, and Mike Waite presented a preconference workshop titled "Modification of Existing Building Envelopes to Improve Energy Performance: Analysis, Common Pitfalls, Problems, and Solutions" to an audience of 100.

- "Integrating Below-Grade Waterproofing into Structural Details for Successful Building Performance: A Case Study" by Andrea Bono and Stephen Bono was published in *Concrete International* in May 2012.

- ZweigWhite awarded SGH with a 2012 Pinnacle Award for creating great work environments while significantly growing revenues by more than 17 percent over the course of four years. Click [here](#) to read the complete press release.

- The American Institute of Architects, New York Chapter (AIANY) recognizes five SGH projects in their Summer 2012 Design Awards. SGH worked on the Clyfford Still Museum, National September 11 Memorial, Marine Company 1 Firehouse, 219 West/Subcat Studios, and Dortoir Familial in Ramatuelle, France. The Summer 2012 edition of *Oculus* features the award-winning projects. Click [here](#) to read the article.



ABOUT SGH

Simpson Gumpertz & Heger Inc. (SGH) is a national engineering firm that designs, investigates, and rehabilitates structures and building enclosures. SGH's award-winning work encompasses building, nuclear, transportation, water/wastewater, and science/defense projects throughout the United States and in more than 30 other countries.

For more information, please visit www.sgh.com.

Named a "Best Firm to Work For" by Structural Engineer and the 2011 Best A/E/C Employer among large firms by PSMJ.

