



February 2016

Announcement of the 2016 \$7,500 Simpson Gumpertz & Heger Scholarship

To Prospective Applicants:

The principals of Simpson Gumpertz & Heger Inc. (SGH) have established the Simpson Gumpertz & Heger Scholarship with the Boston Society of Civil Engineers Section/American Society of Civil Engineers (BSCES) to encourage undergraduate college students who strive for excellence and who aspire to a career in civil engineering. It has been our experience as a firm and as individuals that the field of civil engineering provides technically challenging assignments while offering an opportunity to make a significant contribution to society.

SGH supports the civil engineering profession and wishes to encourage gifted students in the pursuit of their careers. We welcome your participation in this scholarship opportunity.

What is the Simpson Gumpertz & Heger Scholarship?

SGH established this scholarship with BSCES in 1997 to encourage students in the pursuit of civil engineering as a profession. In 2016, the scholarship amount will be \$7,500 in the form of a check presented to the scholarship winner.

Who may apply?

All undergraduate-level civil engineering majors who are members of an ASCE Student Chapter or Club in Massachusetts, who have completed a minimum of two-and-one-half years of a four-year program (or the equivalent portion of a five-year or part-time program), and who expect to complete their undergraduate degree in May 2016 or later are eligible to apply for this scholarship.

Review of the Application

Applications will be judged with equal weight given to three categories: professional presentation in the letter of introduction and resume, quality of ideas expressed and clarity of communication demonstrated in the one-page essay, and capabilities reflected in college/university transcript(s).

A three-person committee consisting of two representatives of BSCES and one Principal of SGH will judge applications. Decisions of the committee will be final. Leading candidates may be asked to meet with members of the review committee. BSCES reserves the option of publishing applicants' essays in *BSCES News* and/or *Civil Engineering Practice*.

Presentation of the Award

The recipient of the scholarship will be announced at the 2016 BSCES Student Night the evening of Wednesday, 6 April 2016, at Tufts University. The award recipient will be notified in advance of the meeting and will be invited to attend Student Night as a guest of SGH.

Simpson Gumpertz & Heger Scholarship 2016 APPLICATION REQUIREMENTS

How to apply

Students interested in applying for the Simpson Gumpertz & Heger Scholarship are asked to submit the following:

- A one-page letter introducing the applicant and summarizing their qualifications.
- A resume demonstrating the applicant's academic record, professional employment (in engineering or related fields), other employment, professional activities (membership and participation in professional organizations such as ASCE, SWE, EWB, etc.), and personal items of interest.
- A one-page essay demonstrating the applicant's writing ability and expressing original thought. The topic for the 2016 essay is the following:

Due to rising global temperatures, severe weather events are predicted to become more widespread in the future. These changes are likely to be seen within the design life of structures that exist or are being built today. Using a real project or projects (past, present, or one you imagine in the future), formulate an argument regarding how the potential impact of future changes in climate should be considered with current day buildings or in-progress designs.

To what extent should resilient designs, that can withstand increasingly powerful winds, flood waters, and storms, be prioritized? Should the emphasis in a resilient design be on robust systems with increased load-resisting capacity, flexible systems that can be easily adapted in the future to a changing environment, or breakaway systems engineered to fail in a safe and economically repairable manner? And what ethical obligation does an engineer have to raise these concerns even though experienced-based codes and standards may not adequately predict the future?

- Official college and/or university transcript(s).

Send hard copy applications to:

Simpson Gumpertz & Heger Scholarship Committee
Boston Society of Civil Engineers Section/ASCE
The Engineering Center
One Walnut Street
Boston, MA 02108-3616

For more information, please contact:

Robert W. Keene
Simpson Gumpertz & Heger Inc.
781-907-9000 or rwkeene@sgh.com

Applications can be submitted by hard copy to the address above or e-mailed (PDF format) to Robert Keene at rwkeene@sgh.com with the subject "SGH Scholarship". Applications must be received by 5:00 p.m. on Friday, 25 March 2016. If submitting electronically, a hard copy application must also be received at the above address no later than 5:00 p.m. on Wednesday, 30 March 2016. Applications will not be returned.