

A symposium on value-based assessments, repairs, and enhancements to sustain historic buildings for the 21st century

SIMPSON GUMPERTZ & HEGER



Engineering of Structures and Building Enclosures

25 September 2009

AIA Los Angeles Chapter Office Los Angeles, California

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About Preservation Technology

SGH's Preservation Technology practice delivers advanced technical services to owners, architecture and engineering firms, facilities managers, contractors, and other clients. With five offices across the country, including locations in Los Angeles and San Francisco, SGH employs specialist engineers and architects who understand the root causes of problems in historic buildings and can provide solutions that balance effective treatments, historic issues, and project budgets.

SGH provides specialist technologies for historic preservation, including: non-destructive surveys and testing; material analysis and testing; building materials conservation; condition assessment surveys; design of conservation master plans and historic structures reports; and seismic evaluation and retrofit. We also address historic building decay problems; the environmental performance and improvement of windows; the design and control of environments for museum and library collections management; and energy efficiency (conservation and generation).

SGH staff includes published authorities in building envelope and structural investigation and rehabilitation. Many of the company's senior staff chair ASTM and other standard-setting committees and contribute to higher education as visiting faculty.

About The Symposium

This day-long SGH symposium is for architects, engineers, contractors, and owners concerned with the repair, restoration, rehabilitation, and continuing maintenance of historic buildings and structures of all ages, types, and material construction.

Attendees will learn about the latest techniques for documentation, analysis, testing, and modeling to help assess the performance, decay, and deterioration of historic structures, materials, and construction. The symposium will equip attendees with new awareness, knowledge, and understanding of the state-of-the-art methods of assessment, treatment, and enhancement of historic buildings as part of their sustainability strategies for the 21st century.





Advanced Preservation Technology Symposium

Friday, 25 September 2009 8:00 a.m. - 7:00 p.m. Registration / Coffee 8:00 a.m. - 8:30 a.m. Welcome and Introduction 8:30 a.m. - 8:45 a.m. **Presentations and Discussions** 8:45 a.m. - 5:30 p.m.

Session 1: Advanced Preservation Technology

Presented by John Fidler, RIBA FRICS

Combining ethics, design, and appropriate technology to achieve sensitive, cost-effective, and sustainable improvements to the welfare and utility of historic buildings.

Session 2: Stone and Brick Masonry Repair

Presented by Brent Gabby, P.E.

Applying structural monitoring, testing, and modeling to better understand the behavior of historic stone and brick masonry systems to effectively target and tailor repair options.

Session 3: Terra-cotta Deterioration and Repair

Presented by Carolyn Searls, P.E.

Understanding manufacturing faults and deterioration mechanisms; using a methodological approach to condition assessment; devising appropriate remedial treatments can lead to more cost effective repairs.

Lunch (not provided)

Session 4: Stucco Repairs

Presented by Scott Pons, LEED AP

Case study of the Caracol Tower, Southwest Museum, Mount Washington, Los Angeles

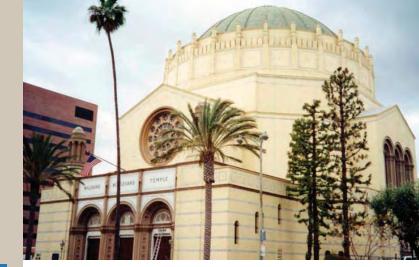
Session 5: Strategies for Seismic Retrofit and the Repair of Earthquake Damage

Presented by John Sumnicht, S.E.

Achieving a strong but gentle touch through subtleties of structural analysis, design, and construction. Case studies will include the Sacramento Memorial Auditorium and 140 New Montgomery, San Francisco – involving performance-based analysis, modeling, and utilizing the archaic materials as part of the lateral load-resisting system; Clayton City Hall – strengthened with center-core technology; and Sacramento Rail Depot – where the proposal was to use Base Isolation.

Closing Remarks & Panel Discussion 5:00 p.m. - 5:30 p.m. **Cocktail Reception** 5:30 p.m. - 7:00 p.m.









SGH is registered with the AIA Continuing Education System. This symposium qualifies for 5.5 CEUs, all of which are HSW.



Three easy ways to register:



BY WEBSITE (Preferred) BY FAX BY MAIL

Venue:

Western.





Yes, I would like to register for the Advanced Preservation Technology Symposium.

Please register no later than 21 September 2009.

Register online at www.aialosangeles.org (under CONTINUING EDUCATION CLASSES

or Fax this form to 213.639.0767, Attn: Matt Krinsky

or Mail to: American Institute of Architects, Los Angeles Chapter 3780 Wilshire Boulevard, Suite 800

Los Angeles, CA 90010

Attn: Matt Krinsky

Payment:

 $Registration\ includes\ coffee,\ refreshment\ breaks,\ reception,\ and\ reference\ material.$

- \$75 per person for AIA members
- \$135 per person for non-AIA members

I am paying by:

- Check enclosed (payable to Simpson Gumpertz & Heger Inc.)
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I would like to receive more information about Simpson Gumpertz & Heger

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A I A Los Angeles

The Joint AlA/LA Historic Resources Committee / Simpson Gumpertz & Heger Symposium will be held at AIA Los Angeles Chapter Office in the Wiltern Center, 3780 Wilshire Boulevard, Suite 800, Los Angeles, CA 90010. The Wiltern Center is on the southeast corner of Wilshire and Western, in the Koreatown/Wilshire Center area. Red Line subway trains and buses 20, 21, 310, 481 and 720 stop at Wilshire and

Contacts on Day of Event:

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