



#### EDUCATION

- University of Waterloo
  - Bachelor of Applied Science, Honours Civil Engineering - Co-operative Program, 2011
- Czech Technical University in Prague, and University of Padova
  - Advanced Masters in Structural Analysis of Monuments and Historical Constructions, 2012

#### PRACTICE AREAS

- Repair and Rehabilitation
- Historic Preservation
- Nondestructive Evaluation
- Structural Analysis/Computer Applications
- Concrete Structures
- Masonry Restoration
- Wood Structures

#### REGISTRATIONS

- Professional (Civil) Engineer in CA

#### PROFESSIONAL AFFILIATIONS

- Association for Preservation Technology International - Western Chapter
- Structural Engineers Association of Southern California

#### CONTACT

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#### EXPERIENCE

Lindsay Hofgartner is experienced with the assessment, evaluation, and repair of existing structures. She has worked on a variety of projects, including facade investigations, structural evaluation and design of steel, concrete, unreinforced masonry and timber structures, historic preservation, and nondestructive testing.

Prior to joining WJE, Ms. Hofgartner was a design engineer at Ryan Biggs Clark Davis Engineering and Surveying in upstate New York, where she worked on numerous historic preservation and masonry restoration projects, as well as provided structural design for new buildings.

#### REPRESENTATIVE PROJECTS

##### Repair and Rehabilitation

- May Company Building - Los Angeles, CA: Investigation, structural analysis, and development of recladding construction documents for limestone facade recladding and granite repairs
- Altadena Public Library - Altadena, CA: Investigation and design of repairs to historic pedestrian bridges

##### Historic Preservation

- Recreation Park Bandshell - Long Beach, CA: Investigation and condition assessment of masonry walls, clay tile roof, ornamental cast stone, and wood windows
- Hart Museum - Newhall, CA: Investigation and structural design for balcony railing repairs

##### Nondestructive Evaluation

- Office Tower Signage - Los Angeles, CA: Static load testing and vibration monitoring of signage structure to determine structural response
- Various Projects - Upstate New York: Ground penetrating radar, impact echo, and anchor pull testing \*

##### Structural Analysis/Computer Applications

- Fashion Institute of Design & Merchandising, Orange County - Irvine, CA: Seismic analysis and repair design of concrete tilt-up wall structure

- Office Tower Signage - Los Angeles, CA: Computer modeling of signage structure to simulate seismic and wind effects

##### Concrete Structures

- Mixed-Use Mid-Rise - Los Angeles, CA: Investigation of structural distress in parking garage structure and floor slabs

##### Masonry Restoration

- Historic Fort and Municipal Filtration Plant - Upstate New York: Condition assessment, repair design and construction administration for masonry repairs \*

##### Wood Structures

- Historic Churches and Casino - Upstate New York: Structural analysis and reinforcement design of wood-framed structures\*

\* Indicates with previous firm

#### PUBLICATIONS

- "Seismic Vulnerability Analysis of a Complex Building Aggregate in Villa Santa Lucia degli Abruzzi, Italy," Proceedings of the 9th International Masonry Conference, Guimaraes, Portugal, July 2014
- "Masonry Preservation Education: A Look Inside the Advanced Masters in Structural Analysis of Monuments and Historical Constructions," *STRUCTURE Magazine*, May 2015