

### Elide Pantoli | Associate III



#### EDUCATION

- University of Bologna
  - Bachelor of Science, Civil Engineering, 2007
  - Master of Science, Civil Engineering, 2010
- University of California, San Diego
  - Doctor of Philosophy, Structural Engineering, 2016

#### PRACTICE AREAS

- Failure/Damage Investigations
- Structural Design
- Seismic
- Instrumentation/Monitoring/Load Testing

#### PROFESSIONAL AFFILIATIONS

- Earthquake Engineering Research Institute (EERI)
- Structural Engineers Association of Northern California (SEAONC)

#### CONTACT

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#### EXPERIENCE

Elide Pantoli is experienced in the investigation of damage to structures, including damage resulting from fire, hurricanes, landslides, or construction defects. Her expertise includes inspection, design, and analysis of structural, as well as nonstructural components (ceilings, piping, stairs, mechanical equipment, etc.), particularly those related to seismic aspects. Among nonstructural components, her experience focuses particularly on facades, including cold-formed steel and exterior insulation and finish systems (EIFS), architectural precast concrete cladding, and curtain walls. Dr. Pantoli is also proficient in instrumentation, monitoring, and load testing to support various projects.

#### REPRESENTATIVE PROJECTS

##### Failure/Damage Investigations

- Apartment/Garage Complex - Concord, CA: Investigation of fire damage to partially constructed complex, focusing on garage elements of reinforced concrete shear walls, concrete masonry unit (CMU) walls, and post-tensioned slabs
- Multilevel Apartment Complex - Oakland, CA: Investigation of fire damage to post-tensioned concrete podium slab of unfinished building
- Multistory Townhomes - Oakland, CA: Investigation of fire damage to post-tensioned slab-on-grade
- Luxury Cabanas - Key West, FL: Investigation of wind and flood damage created by hurricane Irma
- Two-Lane bridge - Moraga, CA: Investigation of damages to bridge from landslide impact
- Multistory Apartment Complex - Oakland, CA: Investigation of collapse, during construction, of the formwork for a post-tensioned concrete slab

##### Structural Design

- Multistory Apartment Building - San Francisco, CA: Development of structural repairs for corroded, cold-formed steel framing elements of building facade
- Multistory Office Building - Houston, TX: Analysis and design of repairs for curtain wall
- Multistory Commercial Building - Oakland, CA: Peer-review of calculations for marble elements of facade

##### Seismic

- Hospital - Portland, OR: Seismic assessment of nonstructural components, including ceilings, fire protection system, stairs, and mechanical and electrical equipment
- San Francisco International Airport, Airline Facility - CA: Seismic analysis of filter press supports and seismic design of above-grade oil tanks
- Beach-side Apartment Complex - Monterey, CA: Design of seismic retrofit for building's foundation and vertical elements
- Three-Story Apartment Building - San Francisco, CA: Seismic retrofit using a special moment frame

##### Instrumentation/Monitoring/Load Testing

- Five-Story Test Building, University of California, San Diego - La Jolla: Shake table testing of nonstructural components installed on a multistory building.
- University of California, San Diego, Architectural Precast Concrete Facade - La Jolla: Performance of shake table testing of steel connections
- Office Building - San Francisco, CA: Instrumentation of building columns using a laser system to monitor displacements created by a nearby construction
- Safety Railing - Marin Headlands, CA: Load testing of railing proposed for use as temporary anchor support