

## **EDUCATION**

1994 **Bachelor of Science in Civil Engineering Technology**  
Central Connecticut State University  
Emphasis in Construction Engineering

## **EXPERIENCE**

February 2007  
to Present **Engineering Design & Testing Corp.**  
**Windsor, Connecticut**  
*Consulting Engineer*  
Specialized consulting in the area of structural assessment of commercial, industrial, and residential structures including origin and cause of collapsed structures; wind, flood, fire, and settlement damage; construction losses; repair or replace cost estimation; provide investigations to determine the origin and cause of fires.

January 2001  
to February 2007 **United International Corp.**  
**Wallingford, Connecticut**  
*Project Engineer*  
Performed special inspections and field design for masonry, reinforced concrete, and structural backfill under and around footings during construction of a convention center, stadium, and science center. Developed database to record environmental and construction testing and sampling. Assisted with structural review for construction of new dormitories. Analyzed, developed and resided over municipal sewer inflow/infiltration reduction project for citywide upgrade. Resided over construction of new sewer pump stations and widening of interstate highway.

October 1997  
to January 2001 **Camp Dresser & McKee, Inc.**  
**Waterbury, Connecticut**  
*Resident Engineer*  
Inspected specification and code compliance during construction of new and upgraded municipal sewer treatment plants and pump stations. Monitored seismic activity during blasting. Operated nuclear density gage during soil backfilling and asphalt paving. Developed and analyzed monthly CPM schedules and contractor cost estimates.

June 1996  
to May 1997 **The SINCO Company**  
**Middletown, Connecticut**  
*Design Engineer*  
Designed and tested safety net applications. Installed netting systems for construction projects. Inspected fabrication of safety harnesses.

January 1994  
to July 1994

**Department of Transportation, District 1  
Rocky Hill, Connecticut**

*Surveyor Intern*

Set and pointed property line monuments. Operated survey equipment.

### **REGISTRATIONS and CERTIFICATIONS**

Registered Professional Engineer in Connecticut (#24345)

Registered Professional Engineer in Maine (#11497)

Registered Professional Engineer in Massachusetts (#47166)

Registered Professional Engineer in New Hampshire (#12287)

Registered Professional Engineer in Rhode Island (#8846)

Registered Professional Engineer in Vermont (#9099)

National Council of Examiners for Engineering and Surveying (NCEES - 30997)

National Institute for Certification in Engineering Technologies (NICET)  
Level II – Building Construction in Water/Wastewater Plants (#103166)

### **PROFESSIONAL ORGANIZATIONS**

American Concrete Institute (ACI)

American Society of Civil Engineers (ASCE)

### **PUBLICATIONS**

Centurelli, Anthony P., *“The Hartford Circus Fire”*, The Stress Point, Volume 27, Number 4, Engineering Design and Testing Corporation, Columbia, South Carolina, December 2014.

### **CONTINUING EDUCATION**

2018 *“Assessment and Evaluation Methods and Tools of Structural Forensic Investigation”*; Webinar sponsored by ASCE

*“Fire Retardant Treated Wood/Pressure Treated Wood”*; sponsored by EDT

*“Heat, Air, and Moisture Components of Building Envelopes”*; presented to EDT

*“Introduction to 2015 International Existing Building Code”*; Webinar sponsored by ASCE

*“Introduction to Wood Connection Analysis”*; sponsored by EDT

*“The EDT Approach to Design/Construction Defect Investigations”*; sponsored by EDT

2017 *“Ballast Water Management: Background, Practice, and Legislation”*; sponsored by EDT

*“Composite Strengthening Systems Workshop”*; sponsored by Simpson Strong-Tie

*“Engineering Analysis and Failure: Determination of Cause in a Legal Environment”*; sponsored by EDT

*“Evaluating and Rehabilitating Foundations and Retaining Walls”*; sponsored by HalfMoon LLC

*“Failures Related to Concrete Volume Change and Restraint”*; Webinar by ACI

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- "Glass and Glazing: Design and Detailing"*; webinar sponsored by ASCE
- "Mass Timber Construction Products, Performance, and Design"*; seminar sponsored by WoodWorks Wood Products Council
- "MSE Retaining Walls – Design and Analysis"*; sponsored by EDT
- "Technological Review of Unmanned Aerial Vehicle (UAVs) and Their Uses"*; sponsored by EDT
- 2016 *"2015 International Building Code Review"*; seminar conducted by HalfMoon LLC
- "Diagnosis, Repair, and Restoration of Building Facades"*; webinar sponsored by ASCE
- "Engineering Mid-Rise Buildings of Wood Construction"*; webinar sponsored by ASCE
- "Lateral Load Resisting Systems in Masonry Construction"*; webinar sponsored by ASCE
- "Philosophy of Structural Building Codes"*; webinar sponsored by ASCE
- "Practical Design of Slabs on Grade"*; webinar sponsored by ASCE
- "Renovation of Slabs on Grade"*; webinar sponsored by ASCE
- "Structural Design of Steel Stairs and Rails"*; webinar sponsored by ASCE
- 2015 *"ADA and Resulting Accessibility Standards"*; sponsored by EDT
- "Earthquakes – Key Concepts to Aid in Damage Evaluation"*; sponsored by EDT
- "Engineering Investigations of Hurricane Damage: Wind versus Water"*; webinar sponsored by ASCE
- "Federal Rules of Civil Procedure (FRCP) Rule 26 – Expert Reports"*; sponsored by EDT
- "Managing Alkali-Aggregate Reaction Expansion in Mass Concrete"*; webinar sponsored by ACI
- "Petrographic Analysis of Concrete Deterioration"*; webinar sponsored by ASCE
- "The Role of the Specialty Engineer (From the Wood Truss Industry's Perspective)"*; webinar sponsored by ASCE
- 2014 *"ASCE 7-10 – Snow Load Provisions"*; webinar sponsored by American Society of Civil Engineers
- "Avoiding Failures of Retaining Walls"*; webinar sponsored by ASCE
- "Corrective Work in Steel Structures"*; webinar sponsored by ASCE
- "Design Snow Loads for Complex Residential Roofs"*; webinar sponsored by ASCE
- "FEMA P-807 – Seismic Evaluation and Retrofit – Weak First Stories,"* webinar sponsored by Applied Technology Council (ATC)
- "Roofing Systems: A Primer for Engineers"*; webinar sponsored by ASCE
- 2013 *"Design of Buildings for Coastal Flooding"*; webinar sponsored by ASCE
- "Roof Failure due to Snow Loading 2010-11, Southern New England Case Study"*; webinar sponsored by ASCE
- "Strengthening Wood Beams and Joists"*; webinar sponsored by ASCE
- "Post-Flood and Wind Safety Evaluation of Buildings – ATC-45 Field Manual,"* webinar sponsored by Applied Technology Council (ATC)
- 2012 *"Certified Roof Inspector – Residential Roofs"*; conducted by Haag Education LLC.
- "Elevated Work Platform Program, Rope Climbing Course"*; sponsored by EDT
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- “Renovation of Wood Structures”*; sponsored by ASCE
- 2011 *“Advanced Design Topics in Wood Construction Engineering”*; class conducted by Virginia Polytechnic Institute and State University
- “Learning from Failures of Wood-Framed Structures”*; webinar sponsored by ASCE
- “Solar Power Design Workshop”*; seminar conducted by HalfMoon Seminars, LLC
- 2009 *Technical Review Workshop - LEED for New Construction and Major Renovations*; seminar by United States Green Building Council (USGBC)
- 2007 *“Confined Space Compliance”*; Safety and Health Council of North Carolina
- “Structural Condition Assessment of Existing Structures”*; sponsored by ACSE
- “Structural Design with Wood – An Introductory Course”*; class conducted by Virginia Polytechnic Institute and State University
- Fall Protection for Residential Construction*; OSHA, CT Department of Labor
- National Fire, Arson, and Explosion Investigation Certification*; NAFI/NFPA
- 2003 *Concrete Field Testing Technician*, ACI