

ALLEN A. JAYNE
Assistant Professor
Civil and Environmental Engineering
University of Delaware
Newark, DE 19716
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EDUCATION

University of Delaware, Newark, Delaware
Doctor of Philosophy in Civil Engineering, 2006
Dissertation Topic: *Inelastic Rotation Requirements of Two-Span Continuous Bridge Girders*
Advisor: Dennis R. Mertz
Virginia Polytechnic Institute and State University, Blacksburg, Virginia; Master of Engineering, 1985
The Pennsylvania State University, University Park, Pennsylvania; Bachelor of Architectural Engineering, 1980
Recipient of Department of Architectural Engineering undergraduate award for "Outstanding Record of Study in Structures"

PROFESSIONAL REGISTRATION

Commonwealth of Virginia, certificate number 016187 (inactive)
State of Delaware, certificate number 7467 (inactive)
Commonwealth of Pennsylvania, certificate number PE-055983-E (inactive)
State of California, certificate number C-60809
State of Nevada, certificate number 018754 (inactive)
State of New Hampshire, certificate number 11119 (inactive)
State of Arizona, certificate number 46718 (inactive)
State of Maryland, certificate number 24377 (inactive)

TEACHING EXPERIENCE (University of Delaware from 1990 to present)

- CIEG161 – Freshman Design
- CIEG409 – Design of Concrete Structures
- CIEG461 – Senior Design Project
- CIEG467 – Advanced Structural Analysis
- CIEG407 – Building Structure Design
- CIEG301 – Structural Analysis
- CIEG403 – Sustainability Applications in Infrastructure
- EGGG101 – Introduction to Engineering
- CIEG212 – Strength of Materials
- CIEG402 – Design of Steel Structures
- CIEG467 – Advanced Concrete Design
- CIEG211 – Statics
- CIEG302 – Structural Design
- CIEG396 – Structural Analysis and Design

TEACHING AWARDS

Slocomb Excellence in Teaching Award, College of Engineering, University of Delaware, 2010
American Society of Civil Engineers (ASCE) Excellence in Civil Engineering Education (ExCEED) Teaching Fellow, July 2011
University of Delaware Excellence in Teaching Award, May 2016

PUBLICATIONS

Roberts, D., Enszer, J. A., Jayne, A. A., et al (2019), "A Faculty Learning Community on Effective (and Efficient) Teaching," ASEE Annual Conference, Tampa, June 16-19.

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SERVICE ACTIVITIES

Faculty Advisor, UD Student Chapter of ASCE
Project Advisor, UD Student Chapter of EWB, Guatemala Bridge Project
Project Advisor, Chi Epsilon, Pedestrian Bridge Rehabilitation, Mississippi
Faculty Advisor, EPDACI Student Beam Competition

PROFESSIONAL AFFILIATIONS

American Society for Engineering Education
American Society of Civil Engineers
American Institute of Steel Construction

PROFESSIONAL EXPERIENCE

Twenty-five years of experience in the structural design of commercial, industrial, and institutional buildings; heavy equipment foundations; site structures; and waterfront structures. Significant projects completed as engineer of record include:

- Seven-level masonry bearing wall hotel building.
- Five-level post-tensioned concrete office building.
- Five-level 75,000 sf steel-framed office building.
- Three-level, 105,000 sf secure facility for women.
- Ten-level, 10,000 sf steel-framed industrial processing and packaging facility.
- Three-level, 70,000 sf secure facility for juveniles.
- Three-level, 100,000 sf secure facility for juveniles.
- Multi-use, 6,000 seat steel-framed stadium for minor league baseball.
- Six-level concrete-framed condominium building.
- Two-level, 150,000 sf elementary school building.
- One-hundred foot high steel-framed air traffic control tower.
- Eight-level masonry bearing wall residential building.
- Two-level, sixty-foot high heavy industrial building with 100 ton bridge crane.
- Mooring facility for 12,000 ton fish-processing vessel.
- Seven-level, 60,000 sf steel-framed office building.
- Twin six-level, 90,000 sf steel-framed office buildings.