

**ALLEN A. JAYNE**  
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**Civil and Environmental Engineering**  
**University of Delaware**  
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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 award for "Outstanding Record of Study in Structures"

## **PROFESSIONAL REGISTRATION**

- Commonwealth of Virginia, certificate number 016187 (inactive)
- State of Delaware, certificate number 7467
- 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               | • EGGG101 – Introduction to Engineering |
| • CIEG409 – Design of Concrete Structures | • CIEG212 – Strength of Materials       |
| • CIEG461 – Senior Design Project         | • CIEG402 – Design of Steel Structures  |
| • CIEG467 – Advanced Structural Analysis  | • CIEG467 – Advanced Concrete Design    |
| • CIEG407 – Building Structure Design     | • CIEG211 – Statics                     |
| • CIEG301 – Structural Analysis           | • CIEG302 – Structural Design           |

## **TEACHING AWARDS**

American Society of Civil Engineers (ASCE) Excellence in Civil Engineering Education (ExCEED)  
Teaching Fellow - July 2011

University of Delaware College of Engineering Excellence in Teaching Award - May 2010

## **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.