PAUL M. HOPKINS, PhD, P.E., S.E.

I have a wide range of consulting, academic, and aerospace engineering experience primarily in the fields of structural/stress analysis, structural design and material structural integrity. With both business ownership skills and college level teaching experience, I am able to complement many years of consulting engineering experience.

EDUCATION:

- PhD, Civil Engineering, 2015 – University of Idaho, Moscow, ID
- M.S., Civil Engineering, 2004 – Arizona State University, Tempe, AZ
- B.S., Architectural Engineering, 2000 – Drexel University, Philadelphia, PA
- B.S., Civil Engineering, 2000 – Drexel University, Philadelphia, PA

EMPLOYMENT EXPERIENCE:

- Principal Structural Engineer/Vice President, TD&H Engineering, Media, PA 2015
- Structural Analysis Engineer IV, The Boeing Company, BDS, Ridley Park, PA 2013
- Principal Structural Engineer/Owner, Hopkins Structural Design Solutions, Lewiston, ID 2010
- Regional Office Manager, TD&H Engineering, Lewiston, ID 2007
- Engineer/Scientist II, The Boeing Company, IDS, Mesa, AZ 2005
- Design Engineering, EIT, Paragon Structural Design, Phoenix, AZ 2004
- Graduate Research Assistant, Arizona State University, Tempe, AZ 2002
- Design Engineer, EIT, ONM Structural Engineers, Wilmington, DE 2002
- Associate Engineer, EIT, Worley Parsons, Reading, PA 2000
- Senior Technician, Schnabel Engineering Associates, West Chester, PA 1998

CERTIFICATIONS & ACTIVITIES:

- Registered Structural Engineer (S.E.) in WA, ID & AZ
- Registered Professional Civil Engineer (P.E.) in CA, AZ, PA, ID, WA, MD, NJ, NM & OR
- Member of American Institute of Steel Construction (AISC)
- Member of American Concrete Institute (ACI)
- Member of Delaware Valley Structural Engineers Association (DVASE)
- Member of Structural Engineers Association of Pennsylvania (SEAOP)
- Member of American Society of Civil Engineers (ASCE)
    - Committee member Aerospace Structures Division (ASD), Advanced Materials
    - Member of SEI-Philly Chapter

ACADEMIA:

- Adjunct Professor, Civil Engineering Department, Widener University, Chester, PA 2014
- Lecturer, Civil Engineering Department, University of Idaho, Moscow, ID 2008-2013
- Statics, Economics, Structures, Steel Design, Concrete Design, Matrix Analysis, Structural Dynamics

PUBLICATIONS:

- Chen, A., Norris, T., Hopkins, P., Yossef, M. (2015) “Experimental Investigation and Finite Element Analysis of Flexural Behavior of Insulated Concrete Sandwich Panels With FRP Plate Shear Connectors”. Engineering Structures.

- Hopkins, P., Brown, K., Yossef, M. & Chen, A. (2014). “The Effect of Degree of Composite Action on Flexural Behavior of Precast Concrete Sandwich Panels”. CICE 2014, 7th International Conference on FRP Composites in Civil Engineering, 8/22/2014.
- Hopkins, P., Norris, T., Pena, N. & Chen, A. (2014). “Development of FRP Plate Shear Connector for Insulated Concrete Sandwich Panels”. CICE 2014, 7th International Conference on FRP Composites in Civil Engineering, 8/20/2014.
- Smith, F. A. & Hopkins, P.M., (2006). “Nonlinear Internal Loads Modeling”. AHS Forum 62, 5/11/2006.