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| **Scott Tomlinson PhD Candidate, P.E., SCWI** | |
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# Professional Experience and Education

## Research Engineer V – Program Manager August 2013 – Present

### Advanced Structures and Composites Center, University of Maine in Orono ME

* Program Manager U.S. Army CCDC Soldier Systems Center – Natick
* Rapidly Deployable Shelters – concept design and analysis
* Additive Manufacturing (3D printing) – small scale material characterization, replacement part development for shelters, and FEA optimization
* Structural thermoplastic composite panels
* Maine Department of Transportation - Live load bridge testing and FEA Modeling
* U.S. Army Corp of Engineers ERDC Low-logistics Seaports Structural Systems
* Design, analysis, and experimental engineering on lightweight composite FRP and concrete bridge girder system
* Report Author: Long-term Fiber Reinforced Polymer Composite Durability Reduction Factors and Design Life in Civil Engineering Infrastructure
* U.S. Department of Energy VolturnUS utility scale floating offshore wind turbine:
* FRP Composite, Steel, and Concrete Design and Analysis

## Graduate Research Assistant

### Advanced Structures and Composites Center, University of Maine in Orono ME 2011-2013

## Wynright – Senior Engineer, Certified Welding Inspector, Qualified Welder 2001-2011

* Managed and implemented structural and roll-form steel projects for the warehousing and distribution industry ranging in value to $1.7 million

## Undergraduate Researcher – NSF REU

University of Maine in Orono, Maine Summer 2000

Clarkson University in Potsdam, New York Summer 1999

# Education

PhD Candidate – Civil/ Structural Engineering University of Maine 2020

MS – Civil / Structural Engineering, University of Maine 2013

BS – Civil Engineering, Rose-Hulman Institute of Technology 2001

# Selected Publications

Tomlinson, Scott M., and Roberto A. Lopez-Anido. 2018. 'Scale and manufacturing effects on tensile strength of marine grade sandwich composite panel joints', Journal of Sandwich Structures & Materials: 109963621879267.

Tomlinson, Scott Michael, and Roberto A. Lopez-Anido. 2018. 'Comparison of surface treatments for secondarily-bonded joints of marine grade composites', Materials Performance and Characterization.

Albraheemi, Mahmood Jaleel A., William G. Davids, Andrew Shchanck, and Scott M. Tomlinson. 2018. 'Evaluation and Rating of Non-composite Steel Girder Bridges using Field Live Load Testing and Finite Element Analysis', Journal of Bridge Engineering.