

## CEE 595F – Geotechnical Engineering Seminar



*Friday, April 26<sup>th</sup>, 2019 | 11:00 AM, Newmark Lab 3310*

### **Earth Retention Systems - Construction and Contractual Considerations**

**Alan Watka**, Director of Earth Retention  
Hub Foundation Co., Inc., Boston, Massachusetts

**Seminar Abstract:** Earth retention systems are inherently associated with risk due to variability of soil conditions, groundwater, construction methods and imposed surcharges. Mr. Watka will review various earth retention systems that he has constructed and highlight construction and contracting best practices and lessons learned.

**About the Speaker:** Mr. Watka has extensive experience in the design and construction of the various methods of earth retention and support of excavation (SOE) system. He can evaluate site conditions and customer needs in order to develop the most economical solution. He estimates, bids, designs, and manages projects including soil nail retaining system, soldier pile/lagging walls, internal bracing, tiebacks, mini-piles, and underpinning. A former commissioned officer in the United States Coast Guard, Alan earned a BSCE from the United States Coast Guard Academy and an MSCE with an emphasis in Geotechnical Engineering from the University of Illinois at Champaign-Urbana. Before joining Hub in 2013, Alan worked at several geotechnical firms including Sverdrup Civil, Spencer, White and Prentis and Hayward Baker. He is a registered Professional Engineer in Connecticut, New Hampshire, New York, Massachusetts, Maine, Rhode Island, and Vermont, and became a Diplomate of Geotechnical Engineering in 2015. Alan received the Connecticut Society of Civil Engineering Geotechnical Award of Merit in 2010 for the design and construction of the temporary soil nail wall for the I-95 to Route 34 flyover in New Haven, CT.