



Graduate Seminar

Junho Lee, Ph.D.

CEO and Founder of Deep Anchor Solutions Inc.

[Zoom Link: Click Here](#) Meeting ID: 936 2541 0342 Passcode: 206829

From Soil Box to Sea: Commercializing a Novel Offshore Anchor Technology

Abstract

Transforming an innovative idea into a technology deployed at sea requires more than technical skill—it demands persistence, systematic validation, and entrepreneurial vision. This seminar will follow the development of a novel deeply embedded ring anchor (DERA) technology, beginning with numerical simulations and laboratory testing, advancing through geotechnical centrifuge studies, model-scale prototypes, and onshore field demonstrations. At each stage, the technology was scaled up to rigorously verify performance under realistic conditions. In parallel, the journey includes the transition from engineer to entrepreneur: engaging in customer discovery, participating in entrepreneurship programs, building industry partnerships, and navigating the commercialization pathway. The audience will gain an inside look at how engineering fundamentals can evolve into market-ready solutions, and how a clear process linking technical R&D with business development can take a concept from a “soil box” in the lab to deployment in the open ocean.

About the Speaker

Dr. Junho Lee is the CEO and Founder of Deep Anchor Solutions Inc., a startup dedicated to developing innovative and cost-effective anchoring solutions for floating offshore energy systems and marine structures. He holds a PhD in Geotechnical Engineering and brings over 15 years of experience in offshore foundations, mooring systems, and anchoring technology. His expertise spans finite element modeling, laboratory and field testing, and technology development, with a focus on transforming research outcomes into commercially viable products. Prior to founding Deep Anchor Solutions, Dr. Lee contributed to major offshore energy projects worldwide, providing design, analysis, and installation expertise for advanced anchor systems. He is passionate about bridging the gap between academic research and industrial application, particularly in advancing technologies for floating wind, solar, and aquaculture infrastructure.



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