



Civil, Construction, and
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January 21, 2026

To Whom It May Concern,

This letter serves as a formal confirmation that Dr. **Jorge A. Peñaloza Giraldo** was employed as **full-time Research Assistant** at the Center for Applied Coastal Research, Department of Civil, Construction and Environmental Engineering, University of Delaware in the U.S. from August 13, 2018 to May, 30 2024.

I served as his direct supervisor and the Principal Investigator of the project entitled “*Collaborative Research: Understanding the physics of flocculation processes and cohesive sediment transport in bottom boundary layers through multi-scale modeling*” supported by National Science Foundation. During his appointment, Dr. Peñaloza Giraldo conducted advanced research on flocculation dynamics, with a particular focus on quantifying the effects of flocculation on the settling velocity of cohesive sediments and the resulting sediment distribution under current- and wave-driven bottom boundary layers.

Dr. Peñaloza-Giraldo’s major duties and responsibilities included:

- Evaluating population balance flocculation models using experimental data
- Designing and conducting controlled flocculation experiments
- Developing numerical modeling frameworks for flocculated cohesive sediment transport
- Actively participating in research group meetings and scientific discussions
- Preparing and co-authoring peer-reviewed scientific publications

Please feel free to contact me should you require any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tian-Jian Hsu'.

Tian-Jian Hsu, PhD.
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