IDENTIFYING INFORMATION:

NAME: Huang, Wenrui

ORCID iD: https://orcid.org/0000-0003-0878-0446

POSITION TITLE: Professor

PRIMARY ORGANIZATION AND LOCATION: Florida A&M University, Tallahassee, Florida, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
University of Rhode Island, Kingston, Rhode Island, United States	PHD	12/1993	Ocean Engineering
Hohai University, Nanjin, Jiangsu, China	MCE	06/1986	Coastal Engineerinhg
Hohai University, Nanjin, Jiangsu, China	BCE	01/1982	Civil Engineering

Appointments and Positions

2003 - 2009 Associate Professor, Florida A&M University, Tallahassee, Florida, United States
1997 - 2024 Professor, Florida A&M University, Tallahassee, Florida, United States
1997 - 2003 Assistant Professor, Florida A&M University, Tallahassee, Florida, United States
1986 - 1988 Engineer, 4th Harbor Engineering Company, Guangzhou, Guangdong, China
1982 - 1983 Engineer, Guangzhou Waterway Engineering Company, Guangzhou, Guangdong, China

Products

Products Most Closely Related to the Proposed Project

1. Vijayan L, Huang W, Ma M, Ozgoven E, Ghorbanzadeh M, Yang Z. Improving the accuracy of hurricane wave modeling in Gulf of Mexico with dynamically-coupled SWAN and ADCIRC. Ocean Engineering. 2023 April 15; 274:114044. Available from: https://www.sciencedirect.com/science/article/abs/pii/S0029801823004286
2. Yin K, Xu S, Huang W, Xie Y. Effects of sea level rise and typhoon intensity on storm surge and waves in Pearl River Estuary. Ocean Engineering. 2017 May 15; 136:80-93.
3. Ma M, Huang W, Jung S, Xu S. Numerical investigation of hurricane wave propagation and overtopping sand dunes during storm surge. Ocean Engineering. 2024 January 15; 292:116590. Available from: https://www.sciencedirect.com/science/article/abs/pii/S0029801823029748
4. Xiao H, Huang W. Numerical Modeling of Wave-Current Forces Acting on Horizontal Cylinder of Marine Structures by VOF Method. Ocean Engineering. 2013 July 15; 67:58–67. Available from: https://www.sciencedirect.com/science/article/abs/pii/S0029801813000668
5. Xiao H, Huang W. Numerical Modeling of Dynamic Wave Force Acting on Escambia Bay Bridge Deck during Hurricane Ivan. Journal of Waterway, Port, Coastal and Ocean Engineering. 2009 June 15; 135(4):164-175. Available from:

https://ascelibrary.org/doi/10.1061/%28ASCE%290733-950X%282009%29135%3A4%28164%29

Other Significant Products, Whether or Not Related to the Proposed Project

1. Huang W, Yin K, Ghorbanzadeh M, Ozguven E, Xu S, Vijayan L. Integrating storm surge modeling with traffic data analysis to evaluate the effectiveness of hurricane evacuation. Front. Struct. Civ. Eng.. 2021 December 28; 15:1301–1316. Available from: https://link.springer.com/article/10.1007/s11709-021-0765-1
2. Vijayan L L, Huang W, Yin K. Evaluation of parametric wind models for more accurate modeling of storm surge: a case study of Hurricane Michael. Natural Hazards. 2021 January 26; 106:2003-2024. Available from: https://link.springer.com/article/10.1007/s11069-021-04525-y#citeas
3. Yin K, Xu S, Huan g W, Liu S, Li M. Numerical investigation of wave attenuation by coupled flexible vegetation dynamic model and XBeach wave model. Ocean Engineering. 2021 September 01; 235:109357. Available from: https://www.sciencedirect.com/science/article/abs/pii/S0029801821007733
4. Yin K, Xu S, Zhao Q, Huang W, Yang K, Guo M. Effects of land cover change on atmospheric and storm surge modeling during typhoon event. Ocean Engineering. 2020; 199:106971.
5. Xiao H, Huang W. Three-dimensional numerical modeling of solitary wave breaking and force on a cylinder pile in the coastal surf zone. Journal of Engineering Mechanics. 2014 August 01; 114(8):A4014001. Available from: https://ascelibrary.org/doi/abs/10.1061/%28ASCE%29EM.1943-7889.0000834

Certification:

I certify that the information provided is current, accurate, and complete. This includes but is not limited to current, pending, and other support (both foreign and domestic) as defined in 42 U.S.C. § 6605.

I also certify that, at the time of submission, I am not a party to a malign foreign talent recruitment program.

Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Huang, Wenrui in SciENcv on 2024-07-10 02:48:26