



# PhD supervisor



Ts. Dr. Hee-Min Teh  
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Research gate: <https://www.researchgate.net/profile/Hee-Min-Teh>

## Potential areas for PhD supervision:

- Coastal engineering
- Marine renewable energy
- Environmental sustainability

## Supervising experience:

- 3 PhD students
- 9 MSc students

## Employment history in last 5 years:

- 2003 – present                      Universiti Teknologi PETRONAS

## Membership of professional association:

- Since 2021      Professional Technologist, Malaysia Board of Technologists
- Since 2013      IMarEST Chartered Engineer
- Since 2012      Member, Institute of Marine Engineering, Science and Technology
- Since 2013      Graduate Member, Institute of Engineers, Malaysia
- Since 1996      Graduate Engineer, Malaysian Board of Engineers

## Education – since bachelor degree:

- ~ PhD in Coastal Structures  
2008-2012, University of Edinburgh, Edinburgh, UK
- ~ MSc in Coastal and Maritime Engineering
- ~ 2000-2002, Universiti Teknologi Malaysia, Johor Bahru, Malaysia
- ~ Bachelor's Degree in Civil Engineering  
1995-1999, Universiti Teknologi Malaysia, Johor Bahru, Malaysia



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## Selected recent papers:

1. Gangjun Zhai, Jianyu Bao, Zhe Ma, Yefeng Yang, Hee Min Teh (2021). A study of the wave impact loads on a fixed column-slab combined structure with a GPU-accelerated SPH method. *Journal of Ships and Offshore Structures*. Taylor & Francis. 1-12. <https://doi.org/10.1080/17445302.2021.1877940>
2. Zhe Ma, Yefeng Yang, Gangjun Zhai, Jianyu Bao, Hee-Min Teh (2021). A study of the impact of plunging waves on the inverted L-shaped breakwater structure based on SPH method. *Journal of Ships and Offshore Structures*. Taylor & Francis. 1-13. <https://doi.org/10.1080/17445302.2020.1835055>
3. Tan, I.S., Mohd Kamal, N. and Teh, H.M. (2021). Impact of Coastal Development on Hydrodynamic Change of the Mangrove Coastline in Tanjung Piai, Malaysia, ICCOEE2020: Proceedings of the 6th International Conference on Civil, Offshore and Environmental Engineering (ICCOEE2020), Lecture Notes in Civil Engineering, 132, 1st ed. 2021, Mohammed, B.S., Shafiq, N., Rahman M. Kutty, S., Mohamad, H., Balogun, A.-L. (Eds.), 213-220.
4. Teh, H.M., Pereira, E.J., Silavaraj, T. and Ul-Hassan, S. (2021). Investigation on Motion Responses of a Floating Wave Barrier in a Wave Flume Subjected to Regular Wave Action, ICCOEE2020: Proceedings of the 6th International Conference on Civil, Offshore and Environmental Engineering (ICCOEE2020), Lecture Notes in Civil Engineering, 132, 1st ed. 2021, Mohammed, B.S., Shafiq, N., Rahman M. Kutty, S., Mohamad, H., Balogun, A.-L. (Eds.), 281-288.
5. Teh, H.M., Silavaraj T., Ul Hassan, S.S. and Pereira, E.J. (2021). Investigation on Motion Responses of a Floating Wave Barrier in a Wave Flume Subjected to Regular Wave Action. *Proceedings of the International Conference on Civil, Offshore and Environmental Engineering*, Singapore: Springer, 281-288.