



**Asst. Prof. Dr. Elif OĞUZ**  
Dept. of Civil Engineering  
Hydromechanics Laboratory

## Expertise areas:

- Hydrodynamic performance of floating offshore wind turbines (FOWTs)
- Marine renewables
- Green technologies
- Energy efficiency of ships

## Contact:

[elifoguz@metu.edu.tr](mailto:elifoguz@metu.edu.tr)

<https://blog.metu.edu.tr/elifoguz/>

# Recent Projects:

Ship Lifecycle Software Solutions (SHIPLYS)(09/2016-08/2018). Funding Agency: EU HORIZON 2020.

INNOVATE UK Project TLPWIND UK: Driving the cost down of offshore wind in UK Waters. (10/2014-03/2016). Funding Agency: INNOVATE UK.

Reliability and Redundancy of Extreme Environmental Habitat Structures and Power Systems, MDRS (Mars Desert Research Station) Project, 2014. Funding Agency: NASA and Mars Society.

EU FP7 MERMAID Project (Innovative Multi-purpose offshore platforms: planning, design and operation) (2011-2012). Funding Agency: EU FP7.

# Recent Publications:

- Oguz, E., Clelland, D., Day, A.H., Incecik, A., Lopez, J.A., Sánchez, G., González, G. (2018). “Experimental and numerical analysis of a TLP Floating Offshore Wind Turbine“, Ocean Engineering,147, Pages 591-605, <http://dx.doi.org/10.1016/j.oceaneng.2017.10.052>.
- Day, A., Clelland, D., Oguz, E., Dai, S., Azcona Armendariz, J., Bouchotrouch, F., Lopez, J. A., Sánchez, G., González, G. (2017) “Realistic Simulation of Aerodynamic Loading for Model Testing of Floating Wind Turbines”, The 5<sup>th</sup> International Conference on Advanced Model Measurement Technology for the Maritime Industry Proceedings (AMT’17). 11-13 October 2017, pages 419-432.
- Oguz, E., Day, A.H., Clelland, D., Incecik, A., Dai, S., Lopez, J.A., González, G., Sánchez, G. (2016). “Experimental Study of a TLP Offshore Floating Wind Turbine”. Proceedings of International Conference on Maritime Technology, Harbin, China.
- Oguz E., Incecik A. (2014)., “Feasibility of Installing Offshore Wind Farms In the North Aegean Sea, Turkey”, Grand Renewable Energy 2014, International Conference and Exhibition, July 27(Sunday)-August 1(Fri), Tokyo Big Sight, Tokyo, Japan.
- Oguz E., Incecik A, Khorasanchi M. (2014). “Optimisation of Tension Leg Platform with Wind Turbine for the selected Region in UK”, 2<sup>nd</sup> International Conference on Maritime Technology, Glasgow, United Kingdom, 07.07.2014 – 09.07.2014.
- Oguz, E., Akgul, M.A., Incecik, A. (2013). “Offshore Wind Farms: Potential and Applicability in the Southern Marmara Region, Turkey”, 15<sup>th</sup> International Congress of the International Maritime Association of the Mediterranean. Developments in Maritime Transportation and Exploitation of Sea Resources –Guedes Soares & López Peña (eds)© 2014 Taylor & Francis Group, London, ISBN 978-1- 138-00124-4. Pages 943-947.