

CV
Dr Dimitris Stagonas

Profile

Highly motivated academic in coastal and offshore engineering.

- *Strong background in applied research:* coastal engineering; fluid – structure interaction and fluid loadings; wave-current interaction; physical and computational modelling of hydrodynamic processes and fluid – structure interaction.
- *Interests:* violent flow interaction with coastal and offshore structures; marine renewable energy and survivability; mechanics of breaking waves and wave-current interaction; climate change impacts on existing and future marine infrastructure

Employment History

- 2021 – Lecturer in Coastal Engineering Depart. of Civil and Environmental Eng., UCY
- 2019 – 2020 Lecturer in Offshore Energy Eng. Sch. of Water, Energy and Env., Cranfield Uni.
- 2019 – Visiting scholar Civil Eng., UCL
- 2012–2019 Research Associate in Coastal, Offshore and Arctic Engineering Civil & Mech Eng.
UCL
- 2010–2012 Teaching and research fellow in Coastal Engineering Civil Eng., Un. of Southampton
(UoS)
- 2009–2010 Research assistant in Coastal Engineering Depart. of Civil Eng., UoS

Academic History

- 2006 –2010 PhD in Coastal Engineering Civil Eng., UoS
- 2005 – 2006 MSc Engineering in the Coastal Environment Civil Eng., UoS
- 2000 – 2004 BSc Marine Science University of the Aegean, Greece

Teaching Experience

- 2019 – Fluid Mechanics and Loadings Shared across MSc's
- 2019 – Renewable Energy Structures Shared across MSc's
- 2019 – Engineering of Marine Structures PhD course
- 2010 – 2012 Coastal and Maritime Eng. and Energy MEng Civil Eng / MSc Coastal Eng.
- 2010 – 2012 Introduction to Civil Engineering Hydraulics MSc Engineering in the Coastal Env.
- 2010 – 2012 Design 3: Hydraulic structures BEng Civil Engineering
- 2005 – 2010 Tutorials and Lab. classes in Hydraulics BEng Civil Eng / MSc Eng. C.E.

Admin. Experience

- 2019 – Admissions tutor MSc Offshore Eng., Cranfield University
- 2010 – 2012 Managing the day-to-day activities of the MSc programme MSc Eng. C. E., UoS

Research Funding

- {1} Numerical input generation for modelling of extreme waves in CFD calculations (2016). EPSRC, UCL Impact Acceleration Account. £100,000. Role: Researcher Co.I
- {2} Impact induced pressure distribution at the face of caisson breakwaters: a novel approach (2014). Large wave basin, Marintek, Trondheim, Norway. Hydralab V, (Con. No. 654110). 120,000 Euros. Role: P.I.
- {3} Large scale measurements of wave loads and impact pressure distribution at the underside of parapets (2012). Large wave flume, FZK, GWK, Hanover, Germany. Hydralab V, (Con. No. 261520). 90,000 Euros. Role: P.I.

Selected Invited Talks and Seminars

- 2019 – Coastal structures in a changing climate. Tianjin Institute for Water Transport Engineering (TIWTE), China.
- 2016 – Wave loads on marine structures. *International Offshore Structures Design Course 2016*, 1-4 March, Porto, Portugal.
- 2016 – Application of the extended NewWave theory to modelling of particular events from random wave sequences, *Department of Wind Energy, Technical University of Denmark (DTU)*, Denmark.
- 2014 – Impact induced pressure distribution at the face of caisson breakwaters under oblique wave attacks: a novel approach, *Hydralab IV providers and users meeting*, Portugal.
- 2014 – Stagonas D. Large scale measurements of wave loads and mapping of impact pressure distribution at the underside of parapets, *Hydralab IV providers meeting*, Portugal.
- 2013 – Mapping the distribution of wave impact induced pressures, *HydralabIV providers meeting*, France.
- 2010 – Wave breaking in small scale physical models, Hydralab Young Researchers Workshop, *Hydralab 3 closing event*, Hannover, Germany.

Competitive Scholarships and Awards

- 2019 Newton Fund Researcher scholarship for the China-UK Workshop on Coastal and Offshore Renewable Energy Systems under Extreme Events, 28th – 31st July 2019, Dalian, China.
- 2019 COST Action scholarship for the WECANet Annual Assembly, 11-12 February 2019.
- 2010 Best poster award winner, Young Coastal Scientists and Engineers Conference, Lancaster University, UK.
- 2010 EU, Hydralab 3 Young Researchers Workshop travel sponsorship.
- 2007 & 2008 ENCORA Young Professionals Exchange Program, EU, funding for attending training schools.
- 2007 Alexander S. Onassis Public Benefit Foundation, scholarship.
- 2004 Graduated 1st scholarship, University of the Aegean, Greece.

Memberships

Reviewer for journals: Proceedings of the Royal Society A / Coastal Engineering / Ocean Engineering / Coastal Engineering Journal / Applied Ocean Research/ Journal of Waterways Ports Coastal and Ocean Engineering / Journal of Hydraulic Engineering / Engineering Applications of Computational Fluid Mechanics / Journal of Marine Science and Engineering / China Ocean Engineering / WATER / Innovative Infrastructure Solution-Springer / Energies

Reviewer for funding bodies and councils: Hellenic Foundation for Research & Innovation / member of the EPSRC Associate Peer Review College

2006 – graduate member, Institution of Civil Engineers (ICE), UK

2019 – member of the editorial board of the ICE Maritime Engineering Journal

2020 – member of the editorial board of the Journal of Coastal and Hydraulic Structures

2020 – member of the editorial board of the Frontiers in Marine Science, Coastal Ocean Processes section