

PRIMaRE Summer School - 13-17 September 2021, – Programme
University of Southampton, UK

Experimental Testing To Quantify The Performance Of Tidal Turbines

University of Southampton B185, Boldrewood Innovation Centre, Burgess Road, Southampton SO16 7QF, UK

The University of Southampton's [Energy and Climate Change Division](#) is pleased to be hosting this year's [PRIMaRE Summer School](#), organized jointly with [Cardiff University's Marine Energy Research Group](#). The Summer School is the third in a [series](#) of high level Continuing Professional Development (CPD) programmes run by PRIMaRE partners and will follow hot on the heels of the [European Wave and Tidal Energy Conference in Plymouth](#). Below is a tentative programme of the event.

Day 1 Monday 13 Sep 2021		
10:00	Registration and Refreshments	Room
Session 1: Introduction and Background to Tidal Energy		
10:30	Introduction to the Summer School <i>A S Bahaj University of Southampton, UK</i> <i>T O' Doherty Cardiff University, UK</i>	
10:45	History and Prospects of Tidal Energy <i>'Bakr Bahaj, University of Southampton</i>	
11:15	Economics and Policy Support Mechanisms for Marine Renewables <i>Davide Magagna</i>	
11:45	UK/EPSRC Perspective on the ORE Role in Achieving Net Zero <i>Deborah Greaves, University of Plymouth, UK</i>	
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12:30	Lunch	
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Session 2: Research and Development through Scales		
14:00	Environmental/metocean <i>Paul Evans, Intertek, UK</i>	
14:30	Getting a 500kW Turbine into the Water <i>Cameron Johnstone, University of Strathclyde, UK</i>	
15:00	Modelling, CFD and Validation <i>Allan Mason-Jones, Cardiff University, UK</i>	
15:30	Lab Scale Testing – Understanding and Needs <i>Luke Myers, University of Southampton, UK</i> <i>Stephanie Ordonez-Sanchez, University of Strathclyde, UK</i> <i>Matt Allmark, Cardiff University, UK</i>	
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16:00	Refreshment Break, Next Day Programme and End of Day	
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Day 2, Tuesday 14 Sep 2021		
10:00	Registration and Refreshments	
10:15	Overview of next 3 days <i>Luke Myers, University of Southampton, UK</i>	
10:30	Planning an experimental programme <i>Lead, Luke Myers, University of Southampton, UK</i>	
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11:15	Refreshment Break	
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11:30	Overview of equipment used this week: <i>Luke Blunden and Luke Myers, University of Southampton, UK</i>	
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13:00	Lunch	
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14:00	Experimental work, Analysis and Rotation <i>Lead, Luke Myers, University of Southampton, UK</i>	
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16:30	Refreshments, Recap and Day End	
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DAY 3, Wednesday 15 Sep 2021		
9:30	Registration and Refreshments	
9:45	Introduction to the Day's Activities <i>Lead, Luke Myers, University of Southampton, UK</i>	
10:00	Blockage effects (and Correction) in Experimental Studies <i>Lead, Luke Myers, University of Southampton, UK</i>	
10:30	Refreshment Break	
10:45	Experimental work, Analysis and Rotation <i>Lead, Luke Myers, University of Southampton, UK</i>	
12:30	Lunch	
13:30	Experimental work, Analysis and Rotation <i>Lead, Luke Myers, University of Southampton, UK</i>	
15:30	Refreshment Break, Recap and Day End	
DAY 4, Thursday 16 Sep 2021		
9:30	Registration and Refreshments	
9:45	Introduction to the Day's Activities <i>Lead, Luke Myers, University of Southampton, UK</i>	
10:00	Wake effects (and correction) in Experimental Studies <i>Lead, Tim O' Doherty Cardiff University, UK</i>	
10:30	Refreshment Break	
11:00	Experimental work, Analysis and Rotation <i>Lead, Luke Myers, University of Southampton, UK</i>	
12:30	Lunch	
13:30	Experimental work, Analysis and Rotation <i>Lead, Luke Myers, University of Southampton, UK</i>	
15:00	Refreshment Break	
15:30	Experimental work, Analysis and Rotation <i>Lead, Luke Myers, University of Southampton, UK</i>	
16:30	Refreshment Break, Recap and Day End	
DAY 5, Friday 17 Sep 2021		
9:30	Registration and Refreshments	
9:45	Introduction to the Day's Activities <i>Lead, Luke Myers, University of Southampton, UK</i>	
10:00	Analysis and Group Presentations	
11:30	Refreshment Break	
12:00	Analysis and Group Presentations	
13:00	Lunch	
14:00	Analysis and Group Presentations	
15:00	Refreshment Break, and of Summer School	