PRIMaRE - Partnership for Research in Marine Renewable Energy PRIMaRE Summer School

2018-09-10

Summer School - Monday 10 September - Modelling Concept to Reality

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http://hdl.handle.net/10026.1/12649

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Modelling Concept to Reality

Dr Carlos Perez-Collazo 10th Sep 2018



What is Physical Modelling O UK&CHN CORE



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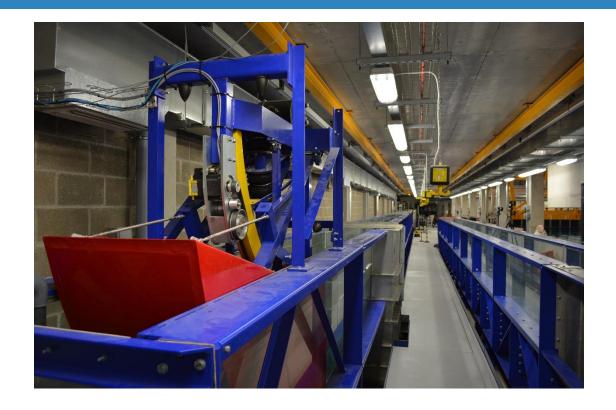


Why Physical Modelling? OUK&CHN CORE

- Qualitative and quantitative assessment of designs response to waves, currents and wind
- Systematic variation of wave, current and wind conditions
- Investigation of different design options
- Easier and cheaper instrumentation then at full scale
- Calibration / Validation of numerical models
- Demonstration of performance to investors
- Significant cost savings by learning about problems before going to full-scale



COAST Laboratory



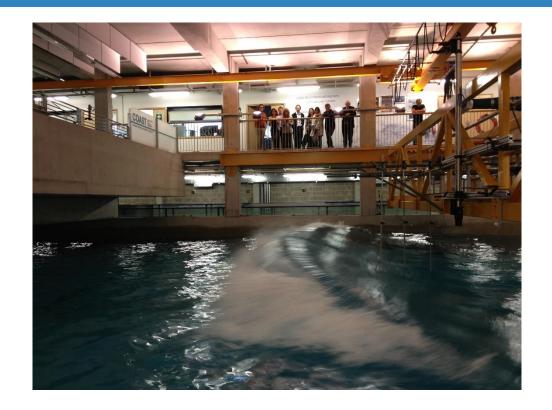


COAST Laboratory



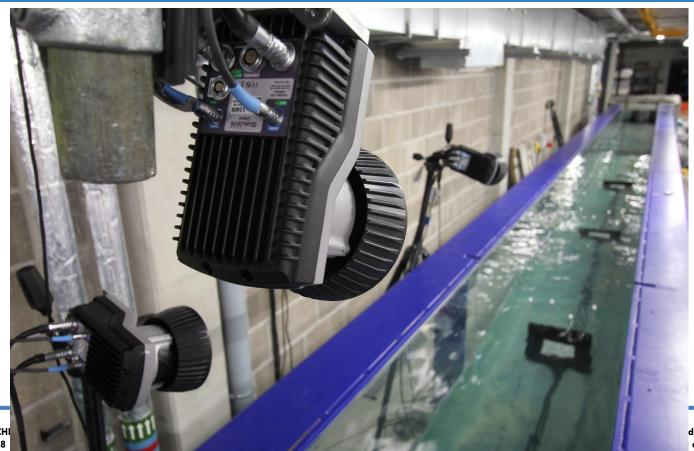


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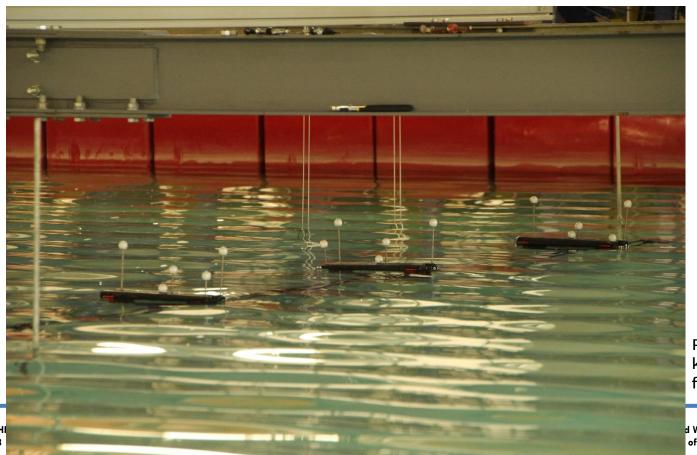


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Pelamis





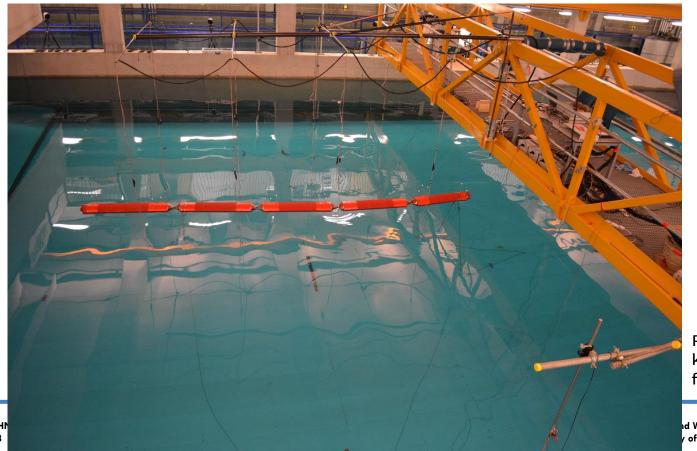
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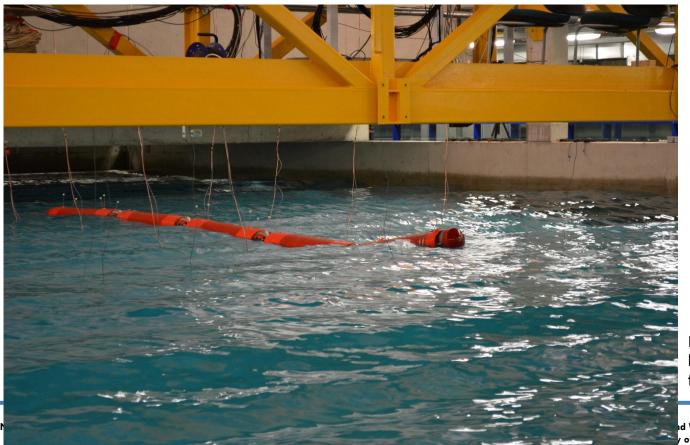


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Red Paddle Co.







Launch and Recovery





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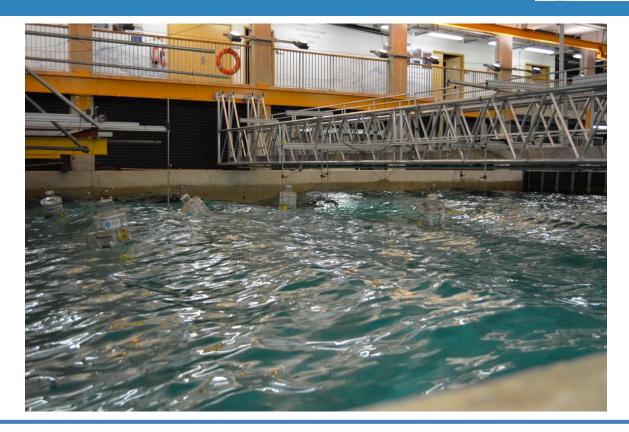


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Detached Breakwater





