

Giovanni Rinaldi

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Research Topic

Project title: Reliable and cost effective offshore operations for farm deployment and operation.

Related Work Packages: WP5

Short Biography

I first obtained a BSc in Physics (2009) and then a MSc in Applied Physics (2012) at the University of Messina, Italy. Afterwards I attended the European Master in Renewable Energy, organized by EUREC, which I obtained at the end of 2014. I started with a core semester at the University of Zaragoza, in Spain, then it followed the specialization semester in Ocean Energy and Offshore Wind at the IST of Lisbon, in Portugal, and finally I made an internship at ENEA (Italian agency for new technologies and sustainable development). Finally I started in April 2015 a MRes (Master by Research) at the University of Exeter, within the European project OceaNET.

Publications

Not yet

Current Research

Current research work deals with the conceptual approach, design and Operation & Maintenance (O&M) of Offshore Renewable Energy farms in terms of costs and safety. Namely, the research focuses on the establishment of cost effective and reliable offshore O&M procedures and design decision criteria for wind, wave and tidal device farm installations under a lifecycle framework. The generic objective will be to optimise the installation and O&M methodologies according to the variations of each device characteristics in order to radically reduce the cost per kWh of produced energy whilst maintaining reliability.

Supervisor(s)

Dr. Lars Johanning
Dr. Philipp Thies