

6<sup>th</sup> International Conference on

# Marine Science, Coastal Dynamics and Management

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# Oceanography, Ocean Technology and Marine Biology

September 21-22, 2018 | Dallas, USA



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### **Ocean research institutional model for the emerging sector: West Africa's subsea support sector**

The work analyzed current level of development in deep-sea ocean technology research in juxtaposition with present level of ocean technology research in West Africa and came up with solutions on research development pathway for the entire region. Given West Africa's position as current leader in deep-sea oil production in Africa the need for the gearing of her local content in this direction was stressed. Theoretical models discussed in the course of the research includes direct ocean engineering models such as linear wave theory, second-order Stokes wave theory, the stream function theory, and spectrum models. These models were further assessed in terms of current applications in the design of West Africa's floating, production and storage vessels. Further analyzed were institutions in West Africa with good research laboratories for ocean technology research using such models as the ecosystems model and the diamond cluster model. Solutions were derived at the end of the study and recommendations made for West Africa's offshore sub sector.

### **Biography**

Chinedum Onyemechi is an accomplished academic with over eighty published works in Maritime Management Technology most of which has been presented in academic and industry-based conferences in countries including but not limited to United Kingdom, Egypt, South Africa, United States of America, Canada, India, Spain, Russia, and Nigeria. He was promoted Lecturer II in 2006 and Lecturer I in 2009. He became a Senior Lecturer in the year 2012 and has been promoted Reader in the professorial cadre 'Maritime Management Technology' in the year 2015.

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