

Curriculum Vitae

PERSONAL INFO:

Bernard T. Akaawase
Department of Marine Sciences,
University of Connecticut
1080 Shennecossett Rd.
Groton, CT 06340-6048

bernard.akaawase@uconn.edu
(860) 984 8711
[LinkedIn](#)

EDUCATION:

University of Connecticut, USA
2nd Year Ph.D. Student

Present

Advisor: Leonel Romero

Federal University of Petroleum Resources Effurun, Nigeria
Bachelor of Marine Engineering (B.Eng).

2018

Thesis: Structural response of FPSO on swell waves in offshore Nigeria

Advisor: Abam Joshua

PROFESSIONAL EXPERIENCE:

Graduate Mentor, UConn Marine Science Peer Mentorship [*Matthew Leason*]

2023

Undergrad Mentor, UConn Avery Point Mentorship Program [*Jeremy Hurt*]

2022

Teaching Assistant, Elements of Physics lab, UConn.

2022

Associate Consultant, [The Offshore Lab](#), Nigeria.

2020 – 2021

Corps Member, Federal University of Petroleum Resource, Nigeria.

2019 – 2020

Research Assistant, Centre for Maritime and Offshore Studies, Nigeria.

2018 – 2019

Co-convenor, Competency training on offshore platforms design, Nigeria

Sept. 2018

Intern, Nigerian Naval Dockyard, Nigeria.

2015 – 2016

FIELD EXPERIENCE:

Ocean Expedition, Field course in oceanography cruise at UConn on *RV/CT*

2022

Teaching Assistant, a Field course in Marine Science Foundation.

2022

CAD staff, The Design and construction of the CMOS cruise boat

2020

DAVIT Controller, Underwater maintenance of Kanji Dam

2021

Asst. Site Engineer, Pipeline Leak Detection Project

2018

Volunteer, Marine Power Plant, a complete overhaul of CAT 3208

2017

RELEVANT LICENSE:

Remote Pilot (Part 107), Federal Aviation Administration (FAA).

2022

Standard Training and Certification on Watch-Keeping (STCW), IMO

2016

PRESENTATIONS:

Akaawase Bernard, Leonel Romero & Alvis Benetazzo. Directional breaking kinematics observations from 3D stereo reconstruction of ocean waves. Waves in Shallow Environment ([WISE](#)) Meeting, University of Princeton, New Jersey, 2023.

Akaawase Bernard & Romero Leonel. The development of a novel Portable Airborne Mapping System (PAMS). Systems and Technologies for Remote Sensing Applications Through Unmanned Aerial System ([STRATUS](#)), Rochester Institute of Technology, New York. 2023.

Akaawase Bernard, Leonel Romero & Alvis Benetazzo. Directional breaking kinematics observations from 3D stereo reconstruction of ocean waves. Feng Graduate Research Colloquium, University of Connecticut, 2023. (Poster)

Akaawase Bernard, Leonel Romero & Alvis Benetazzo. Directional breaking kinematics observations from 3D stereo reconstruction of ocean waves. [Brown bags](#), University of Connecticut, 2023.

Akaawase Bernard. Ocean Waves Measurement. Sip and Science, Stonington-CT, Graduate Students Exhibition, 2023.

Akaawase, B.T, Agbakwuru, J.A, & Abam, J. Comparative Spectral Motion Responses of P23 and W23 Passenger Boats in Bonny Offshore. Seminar Series of The University of Port Harcourt, Nigeria, 2022. (Virtual)

Akaawase Bernard, Agbakwuru Jasper & Nwaoha Chidi. West African Offshore: Characteristics, Potentials and Opportunities. 5th High-level industry-science government dialogue on Atlantic interactions, Victoria Island, Nigeria, 2020 (poster).

Akaawase Bernard, The Development of Underwater Current Power Turbine. [Future Earth](#) and European Space Agency, Portugal, 2019

SELECTED PEER-REVIEWED PUBLICATIONS:

Agbakwuru J. **Akaawase B.T** & Gudmestad O.T, (2020). "The sea state description of Asabo offshore in Nigeria". Ocean systems engineering. Vol. 10., No: 1 (2020) pp. 25-47 ISSN: 2093-6702. <https://doi.org/10.12989/ose.2020.10.1.025>

Agbakwuru, J.A, **Akaawase, B.T** & Abam, J (2022). Comparative Spectral Motion Responses of P23 and W23 Passenger Boats in Bonny Offshore Water in Nigeria. *Uniport Journal of Engineering and Scientific Research*, Vol. 6, Issue 2, Pg. 52-63. ISSN: 2616-1192. <https://www.ujesr.org/images/vol62/Article-7.pdf>

Agbakwuru, J.A. & **Akaawase, B.T** (2020). "Statistical wave description of Forcados offshore in Nigeria". FUPRE Journal of Scientific and Industrial Research. Vol. 3 No. 3 pp. 35-49 ISSN: 2579-1184 <https://journal.fupre.edu.ng/index.php/fjsir/article/view/69>

Agbakwuru, J. & **Akaawase, B.T.** (2018) "Evaluation of wind potentials in the Nigerian onshore and offshore locations". FUPRE Journal of Scientific and Industrial Research, Volume 1 No 2. Pp 91-112. ISSN 2579-1184 <https://journal.fupre.edu.ng/index.php/fjsir/article/view/21>

Akaawase, B.T. & Abam, S.T (2018) "Structural response of a standalone FPSO by swell waves in offshore Nigeria". International Journal of Scientific and Engineering Research, Vol.9, Issue 2, Feb. 2018 ISSN 2229-5518 <https://www.ijser.org/researchpaper/Structural-Response-of-a-Standalone-FPSO-by-Swell-Wave-in-Offshore-Nigeria-Abam-Tamunopekere-Joshua-Akaawase-Bernard-Teryima.pdf>

Agbakwuru, J.A. & **Akaawase, B.T** (2020) Spectral characterization of Bonny offshore water waves in Nigeria. Uniport Journal of Science and Engineering Research 3 (5), 13-34, <https://www.ujesr.org/images/vol5no2/Article-1.pdf>

Agbakwuru, J.A. & **Akaawase, B.T** (2021). Spectra Response Computation of P23 boat in Bonny Offshore Water. *Uniport Journal of Engineering and Scientific Research, Volume 5, Issue 2*. University of Port Harcourt, Nigeria. <https://www.ujesr.org/images/vol5no2/Article-18.pdf>

PROFESSIONAL MEMBERSHIP:

Req. ID:

International Association of Engineers	262534
Nigerian Society of Engineers	G539512
Marine Technology Society	24884
Institute of Marine Engr., Science and Technology.	8054808

HONORS:

University Governing Council Awardee	2021
International Education Summit Awardee	2020
Vice Chancellor's Prize for the best-graduating student.	2017
Most Outstanding Student (College of Engineering)	2016
National youth service community development award.	2019

View [the complete list](#).

GRANTS:

University of Connecticut Pre-Doctoral grants (\$500)	2022
---	------

TECHNICAL CONTRIBUTION:

2019; 2020 Inspection and Certification of Delta Steel Mining Company (50 Electric Overhead Traveling Cranes).

Virtual Reality Development, Resources for transition to immersive learning at FUPRE, sponsored by Shell Nigeria. November 2020

Design and Construction of CMOS Kenny Cruise 1. Sponsored. JOJASON Integrated, Ogun State. June 2018.

Further development of Lever Powered Spring System Technology. Sponsored: BlueOcean Tech AS, Norway. May 26th, 2018.

Development of an Apparatus for SubseaOil/Gas Leak Detection. Sponsored: Clear Sea Tech AS Norway. 16th August 2017.

STUDENT REVIEWER STATUS:

The FUPRE Journal of Scientific and Industrial Research (FJSIR)	2018 - 2021
---	-------------

VOLUNTEER:

Spokesperson/Exhibitor, 2022 National Estuarine Research Reserve for Long Island Sound Designation Celebration.