

CURRICULUM VITAE

A. PERSONAL DATA

1. Name: KAREEM, Semiu O.
2. Mobile Phone Number: 08055154529
3. Email Address: kareems@run.edu.ng
4. Place and date of birth: Abeokuta/27th March, 1972
5. State and Local Government of origin: Ogun State/Abeokuta North
6. Permanent Home Address: 13 Road 3, Glory Land Estate, Erigo,
Ijebu North-East
7. Present Postal Address: P.O. Box 1927, Ijebu-Ode, Ogun State
8. Marital status: Married
9. Number and ages of children: Four (12yrs, 10yrs, 8yrs, 4yrs)
10. Nationality: Nigerian

B EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES

1. Higher Educational Institutions Attended with Dates

Redeemer's University, Ede, Nigeria / 2014-2017
Olabisi Onabanjo University, Ago-Iwoye, Nigeria / 2004-2006
Ogun State University, Ago-Iwoye, Nigeria /1995-2000

2. Academic Qualifications Obtained with Dates

Ph.D. (Physics)/Redeemer's University, Ede, Nigeria / 29th Nov. 2017
M.Sc (Physics) /Olabisi Onabanjo University, Ago-Iwoye, Nigeria / 3rd Feb. 2006
B.Sc (Hons) (Physics) / Ogun State University, Ago-Iwoye, Nigeria / 28th Feb. 2000

3. Honours/Distinctions and Awards

Olabisi Onabanjo University Scholarship M.Sc./Theoretical Solid State Physics/ 2004-2006
Olabisi Onabanjo University Award for the Best Graduating Student in Physics/ 1998/1999
Session

C WORKING EXPERIENCE

1. Previous Experience Outside the University System

Physics teacher, Nsit People Grammar School/ Afagha Offiong, Akwa Ibom State
(NYSC)/Aug. 2000-Jul. 2001

2. Previous Experience in the University System

Lecturer II/Department of Physical Sciences/Redeemer's University Sept. 2010-Sept.
2013 Assistant Lecturer/ Department of Physics/ Olabisi Onabanjo University, Ago-
Iwoye, Nigeria/ Feb. 2006-Aug. 2010

Graduate Assistant/Department of Physics/ Olabisi Onabanjo University, Ago-Iwoye,
Nigeria/ 2002- Feb. 2006

D DEPARTMENT/COLLEGE: PHYSICAL SCIENCES/NATURAL SCIENCES

E DATE OF FIRST APPOINTMENT IN THE UNIVERSITY: SEPTEMBER 1ST, 2010

F DATE OF CONFIRMATION: SEPTEMBER 1ST, 2013

G CURRENT SALARY AND GRADE LEVEL: RUASS 4 STEP 5

H CURRENT POSITION WITHIN THE REDEEMER'S UNIVERSITY: Lecturer I/
Department of Physical Sciences/ Oct. 2013-Till Date

I MEMBERSHIP OF PROFESSIONAL BODIES:

Participant (International Node), COSNet - the ARC Complex Open Systems Research
Network

Member, Nigerian Institute of Physics

Member, Society for Exploration Geophysicists

J IMPORTANT ADMINISTRATIVE POSITIONS HELD AT REDEEMER'S

UNIVERSITY: Coordinator/Departmental Seminar/Department of Physical Sciences
Chairman/Welfare Committee/Department of Physical Sciences

K OTHER POSITIONS HELD WITHIN THE REDEEMER'S UNIVERSITY: Nil

L RESEARCH ACTIVITIES:

The implication of inclination on the thermodynamic properties of a couple stress MHD fluid
flow in an inclined permeable channel

M POSTGRADUATE SUPERVISION: Nil

**N MAJOR ACADEMIC RELATED SERVICES TO THE NATION OUTSIDE THE
UNIVERSITY SYSTEM:** Nil

**O IMPORTANT LEARNED CONFERENCES/WORKSHOPS/COURSES ATTENDED
WITH DETAILS ON PAPER PRESENTED:**

A 3-day workshop on experimental chaos, Department of Physics, University of Agriculture,
Abeokuta, 22-24 November, 2010 (A training programme organised by the management of
UNAAB and the Department of Physics, UNAAB; Guest Lecturer: Prof. S.K. Dana, Head of
Central Instrumentation, Indian Institute of Chemical Biology, Kolkata.).

Conference on Physics for Sustainable Environment, Transportation and Economic
Empowerment organized by the Department of Physics, Olabisi Onabanjo University, Ago-
Iwoye, Nigeria. 6th-8th August, 2008.

A 2-Day workshop on B.Sc. research project/SIWES report writing organized by the Department of Physics, Olabisi Onabanjo University, Ago-Iwoye, Nigeria. 3rd & 4th July, 2008.

The 1st National Science Conference and Faculty week on Sustainable Energy and Friendly Environment organized by Faculty of Science, Olabisi Onabanjo University, Ago-Iwoye, Nigeria. 5th - 7th February, 2008.

The 1st workshop on research for National Development organized by Olabisi Onabanjo University, Ago-Iwoye at The 1500 Lecture Theatre Main Campus. 15th & 16th December, 2004.

Conference on Global System of Mobile communication in Nigeria. Olabisi Onabanjo University, Ago Iwoye. 3rd - 5th Sept. 2003.

21st Annual conference of Nigerian Institute of Physics.1998, O.S.U., Ago Iwoye. Physics Research in Nigeria: The way forward.

38th Annual Conference of the Science Association of Nigeria 10th-14th Dec. 2000.

P PUBLICATIONS

1. Books/Chapters in Books

- J.A. Laoye, S.O. Kareem, The kinetic theory of ideal gases, in Concise general physics for colleges, polytechnics and universities, Vol 1. ISBN: 978-044-674-5, Eds. Kola Odunaike, Nnamdi Jibiri, and Bidemi Laoye, Bib press, Ibadan (2006), pp. 254-267.
- S.O. Kareem and O.E. Akinsoju, Determination of relative density using spring balance, in Experimental physics course for the 100 level undergraduates, ISBN: 9789789025268, Eds. Kola Odunaike, Victor Chukwuma and Abidemi Laoye, Bib press, Ibadan (2009), pp. 137-142.

2. Published Conference Proceedings

- S.O. Kareem, J.A. Laoye, T.W. David and S.O. Bankole, The Synchronization of the van der Pol- Mathieu System, in refereed conference proceedings on “physics for sustainable environment, transportation and economic empowerment” of the Department of Physics, Olabisi Onabanjo University, Ago Iwoye Vol.2, (2008)Pp 68-70.
- S.O. Kareem, G.C. Ijeoma and G.B. Jaiyeola, Ground investigation of the proposed site for the central administrative building of Olabisi onabanjo University, Ago-Iwoye, Ogun state, in refereed conference proceedings on “physics for sustainable environment, transportation and economic empowerment” of the Department of Physics, Olabisi Onabanjo University, Ago Iwoye Vol.2, (2008)Pp 144-148.
- R.A. Williams, R.K. Odunaike, S.O. Kareem, S.O. Adesanya, The electrical nature of circular bismuth on nsilicon contact to other geometrical shapes of equal lengths and

areas, in refereed conference proceedings on “physics for sustainable environment, transportation and economic empowerment” of the Department of Physics, Olabisi Onabanjo University, Ago Iwoye Vol.2, (2008)Pp 166-174.

3 Published Journal Articles in Learned Journals

- **S. O. Kareem** , S. O. Adesanya , J. A. Falade , U. E. Vincent, Entropy generation rate in unsteady buoyancy-driven hydromagnetic couple stress fluid flow through a porous channel, *International Journal of Pure and Applied Mathematics* 115 (2) 199-209 (2017)
- J. A. Falade , S. O. Adesanya , S. R. Lebelo , **S. O. Kareem**, Second law analysis for a porous channel flow with asymmetric slip and convective boundary conditions, *International Journal of Pure and Applied Mathematics* 115 (2) 199-209 (2017)
- Kareem S. O., Adesanya S. O. and Vincent U. E., Second law analysis for buoyancy-driven hydromagnetic couple stress fluid flow through a porous channel, *C. R. Mecanique* 344 (8) 547-555 (2016), <http://dx.doi.org/10.2016/j.crme.2016.03.003>. **(Impact Factor: 0.988)**
- Kareem S. O., Adesanya S. O. and Vincent U. E., Second law analysis for hydromagnetic couple stress fluid flow through a porous channel, *Alexandria Engineering Journal* 55 (2) 925-931 (2016), <http://dx.doi.org/10.1016/j.aej.2016.02.020>. **(Impact Factor: 1.139)**
- Adesanya S. O., Kareem S. O., Falade J. A. and Arekete S. A., Entropy generation analysis for a reactive couple stress fluid flow through a channel saturated with porous material, *Energy* 93 (1) 1239-1245 (2015), <http://dx.doi.org/10.1016/j.energy.2015.09.115>. **(Impact Factor: 4.292)**
- U. E. Vincent, S.O. Kareem, B.R. Nana Nbenjo and A.N. Njah, Quasi-synchronization dynamics of coupled and driven plasma oscillators, *Chaos, Solitons & Fractals*, 70: 85-94 (2015), <http://dx.doi.org/10.1016/j.chaos.2014.11.005>. **(Impact Factor: 3.315)**
- S.O. Kareem, K.S. Ojo and A.N. Njah, Function projective synchronization of identical and nonidentical modified finance and Shimizu–Morioka systems, *Pramana Journal of physics*, 79(1) 71-79 (2012), <http://link.springer.com/article/10.1007%2Fs12043-012-0281-x>. **(Impact Factor: 0.692)**
- J.A. Laoye, U.E. Vincent, S.O. Kareem, Chaos control of 4-D chaotic systems using recursive backstepping nonlinear controller, *Chaos Solitons Fractals*, 39(1) 356-362 (2009), <http://dx.doi.org/10.1016/j.chaos.2007.04.020>. **(Impact Factor: 3.315)**
- S.O. Kareem, U.E. Vincent, J.A. Laoye, T.A. Akinola, Chaos control of the autonomous van der Pol-Mathieu equation for dust charge fluctuation in dusty Plasma Using backstepping control, *Acta Physica Polonica B*, 39(8), 1817-1824

(2008), <http://www.actaphys.uj.edu.pl/fulltext?series=Reg&vol=39&page=1817>. (**Impact Factor: 0.795**)

- J.A. Laoye and S.O. Kareem, On the Numerical Solution of the Gross-Pitaevskii equation for an isolated vortex in trapped gas, J. of Nigeria Association of Mathematical Physics, Vol. 13, 55-58, (2008)
- T.W. David, O.O. Odusote, and S.O. Kareem, Physical model of income distribution, J. of Nigeria Association of Mathematical Physics, Vol. 13, 315-320 (2008)
- U.E. Vincent, A. Ucar, J.A. Laoye and S.O. Kareem, Control and synchronization of chaos in RCL-shunted Josephson junction using backstepping design, Physica C 468, 374 382 (2008), <http://dx.doi.org/10.1016/j.physc.2007.11.012>. **Impact Factor: 0.835**)

A handwritten signature in black ink, appearing to read 'm. @jnti', is written over a light green rectangular background.

06/07/2018