Akinjide Akintunde

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Education:

Doctor of Philosophy in Biomedical Engineering — In view
Tulane University, New Orleans, Louisiana

Master of Science in Physics — May 2014
University of Louisiana at Lafayette, Louisiana

Bachelor of Science in Physics — Jan 2008
Obafemi Awolowo University (OAU), Ile-Ife, Nigeria

Experience:

Graduate Teaching and Research Assistant — Aug 2015-Date
Department of Biomedical Engineering, Tulane University — New Orleans, LA

- Engaged in research focused on soft tissue biomechanics with Dr. Kristin Miller at the Biomechanics of Growth and Remodeling (BG&R) Laboratory.

Graduate Teaching Assistant — Aug 2014-Jul 2015
Department of Physics, University of New Orleans — New Orleans, LA

- Taught general physics laboratory courses: graded laboratory reports on experiments on topics such as mechanics, thermodynamics, optics, electromagnetism and waves.
- Held weekly tutoring sessions for students in algebra-based and calculus-based general physics classes.
- Proctored and graded physics course examinations developed by the physics faculty.

Graduate Teaching Assistant — Aug 2012-May 2014
Department of Physics, University of Louisiana at Lafayette — Lafayette, LA

- Same responsibilities as above.

Graduate Research Assistant — Feb-Dec 2013
Department of Physics, University of Louisiana at Lafayette — Lafayette, LA

- Engaged in National Science Foundation (NSF) funded research with Dr. Andi Petculescu on the topic: 'Preliminary study of infrasonic attenuation and dispersion in the lower thermosphere, based on non-continuum fluid mechanics'
- Developed a framework for predicting thermospheric attenuation and dispersion of infrasound between 80 and 160 km.

Research Assistant — Apr –Dec 2007
Biological Trace Elements Research (BTER) Laboratory, OAU — Ile-Ife, Nigeria

- Participated on team engaged in International Atomic Energy Agency (IAEA) sponsored research focused on investigating relationship between nutritional status and biological trace elements concentrations.
- Facilitated the collection of body fluids samples from research subjects.
- Developed a body-fat predictive model which relies on simple anthropometric measurements.
- Participated in the design, construction and evaluation of a clean room facility for BTER at the Department of Physics, OAU.
- Operated a €3,500 acid purification device

Associate, Senior Associate — Oct 2009-Jul 2012
PricewaterhouseCoopers — Lagos, Nigeria

- Provided assurance services to clients in Technology, Information, Communications and Entertainment Industries and clients in Consumer and Industrial Products and Services Industries.

Oral Presentations:	166th Meeting of the Acoustical Society of America (ASA), San Francisco, CA Topic: "Preliminary study of infrasonic attenuation and dispersion in the lower thermosphere, based on non-continuum fluid mechanics: Developing a predictive model"	Dec 2013
	30th Nigerian Institute of Physics (NIP) conference, Lagos, Nigeria. Topic: "Derivation of anthropometry-based body fat predictive equation specific for Nigerian women"	Aug 2007
Publications:	A. Akintunde and A. Petculescu, "Infrasonic attenuation in the upper mesosphere-lower thermosphere: a comparison between Navier-Stokes and Burnett predictions," J. Acoust. Soc. Am. **136** (4), 1483-1486 (2014)	
Computer Skills:	FORTRAN, MATLAB, Microsoft Office and Windows, IBM Lotus Notes, and SPSS.	
Honors:	University of Louisiana at Lafayette nominee for the Council of Southern Graduate Schools (CSGS) 2015 Master's Thesis Award - Math, Physical Sciences and Engineering Category. Spring 2014 Nominee for the Phi Beta Kappa Association of Southwest Louisiana's Richard G. Neiheisel Graduate Award for Academic Excellence and Community Service.	
News Media:	Featured in Fall 2013 edition (page 32) of "La Louisiane", a magazine of the University of Louisiana at Lafayette. (http://ocm.louisiana.edu/sites/communicationsandmarketing/files/Linked%20La%20Louisiane%20SM_2.pdf)	
Professional Affiliations:	Student member, Biomedical Engineering Society (BMES) Student member, National Society of Black Engineers (NSBE)	