Stephen Taiwo Salako, B. Eng, MSc., Ph.D.
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Summary of Qualifications

Problem-Solver with ability to analyse, interpret and evaluate data and develop ideas.
Highly motivated and result-oriented professional with excellent leadership and communication skills.
Excellent analytical skills and teamwork abilities developed through research and design projects with sound inter-personal skills developed through 14 years of lecturing experience at the University Level.

EDUCATION

Doctor of Philosophy in Mathematics

University of Texas at Arlington-Arlington, TX   **Graduation Date: December 2009**
Thesis: Optimal control approach to image registration
Master of Science in Mathematics

University of Texas at San Antonio-San Antonio, TX   **Graduation Date: December 2005**

Bachelor of Engineering in Chemical Engineering with Minerals Engineering [Honors]
University of Birmingham- Birmingham, U.K.   **Graduation Date: July 2002**

Research Interest: Mathematics of Imaging, Optimization Problems, Partial Differential Equations, Mathematical Modeling, Math Education.

PROFESSIONAL EXPERIENCE

OUR LADY OF THE LAKE UNIVERSITY
-Chair of Math and Science   San Antonio, TX   June 2021-Present
-Associate Professor of Mathematics   San Antonio, TX   February 2020- Present
-Assistant Professor of Mathematics   San Antonio, TX   August 2012- February 2020
-Mathematics Program Head   San Antonio, TX   August 2020- Present

- ♦ College Algebra [Online/Onsite]/College Algebra for Science Majors, Elementary Algebra, Intermediate Algebra, Problem Solving, Topics in Discrete Mathematics, Calculus ii, iii, Differential Equations, Linear Algebra, Real Analysis, Numerical Analysis, Modern Algebra, Math for the liberal arts, Math for liberal arts with quantitative reasoning.

-Q.E.P. Math coordinator   August 2016 – May 2018
- ♦ Organized course content, supervised faculty teaching QUEST math classes, coordinated with the testing center to allow for math placement test, communicated with Administration/ACE Math center on student performance and intervention strategies.

-**Reviewer for the Mathematics Journal (NCTM)**   Spring 2016- present
Reviewed several papers submitted for potential publication.

-McNairs scholars advisory board member   Fall 2019-Fall 2020

-SAPrep site director/interim Math center coordinator   June 2017 – July 2017

♦ Ensure implementation of pre-and-post testing and report scores to PREP office, supervised open day orientation, lunch arrangement for students, addressed any issues instructor or staff may have, visited student classrooms to monitor activities, evaluated Program Assistants and instructors. Advertised and ran the annual Math Matters program for incoming freshmen, preparing them for the College Mathematics class they would take.

TEXAS A&M UNIVERSITY   San Antonio, TX   June 2011- December 2011

Adjunct Faculty

♦ Differential Equations [onsite/independent study], Calculus III [Onsite], Topics in Discrete Mathematics

ITT TECHNICAL INSTITUTE   Arlington /San Antonio, TX   September 2009-July 2012

Full Time Instructor

♦ Technical Calculus, College Math 1, 2, 3, Advanced Topics in Technical Math, Statistics, Strategies

Internship (Solids Processing)

♦ Measured zeta potentials in concentrated aqueous suspensions of ceramic powders using electro acoustics.
♦ Performed experiments using the Acoustosizer which was only about 1 of 3 present in the U.K. at the time.
♦ Made solutions calibrated for tests to be run
♦ Represented data obtained from Experiment graphically.
♦ Taught Chemical Engineering doctoral students how to use the device with respect to their research.

GRANTS

Flashman Endowed Fund for Special Teaching and Research Projects (**Fall 2012**)
Title: Computing different powers of the arbitrary number i**.**
Flashman Endowed Fund for Special

Calculus II
Calculus III
Technical Math
Partial Differential Equations
Discrete Mathematics
Real Analysis
Linear Algebra
Numerical Analysis
Math for the liberal arts
Modern Algebra
Topics in Discrete Mathematics
Math for the liberal arts/Math for the liberal arts with Quantitative Reasoning

Presentations

1. **"Fun with graphs",** Adams Hill Elementary OLLU visit presentation, Our lady of the lake University, San Antonio, TX [**Summer 2013**]

2. "Image Registration and Applications", Texas Undergraduate Mathematics Conference [TUMC], Nacogdoches, TX [**October 18th, 2014**]

3. "Optimal control approach to Image registration", The 95th Texas Section Meeting of the Mathematical Association of America, The Riverwalk, San Antonio, TX [**April 9-11, 2015**]

4. "How to succeed at OLLU", Math MaTTers, summer bridge program". Our Lady of the Lake University, San Antonio, TX [**June 24th, 2015**]

5. "A method for Orthogonal grid generation", The 96th Texas Section Meeting of the Mathematical Association of America, Nacogdoches, TX [**March 31st –April 2nd, 2016**]

6. "Experiences in London", ENGL 7339 London in Literature, Our Lady of the Lake University, San Antonio, TX [**22ND of September 2016**]

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Professor Raj Wilson

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