

FACULTY PROFILE

1. NAME : John Okyere Attia
2. ACADEMIC RANK: Professor
3. DEGREES WITH FIELDS, INSTITUTION AND DATES
 - a. Ph.D (Electrical Engineering), University of Houston, 1984
 - b. M.S. (Electrical Engineering), University of Toronto, 1978
 - c. B.S. (Electrical Engineering), University of Sciences & Tech. 1974.
4. NUMBER OF YEARS OF SERVICE ON THIS FACULTY (Include date of original appointment and dates of advancement in rank).
 - a. Number of Years of Service: 24 years
 - b. Date of Original Appointment: January 1984
 - c. Promoted to Associate Professor: September 1988
 - d. Promoted to Full Professor: September 1997
5. OTHER RELATED EXPERIENCE - TEACHING, INDUSTRIAL, ETC
 - a. Teaching 1984-97 Asst., Assoc. and Full Professor in Electrical Engr.
1980-84 Instructor of Elec. Engr., Univ. of Houston
 - b. Industrial, Summer 1988 3M TelComm Product Division, Development of Media Access Electronic Interface for LAN
Summer 1986 AT&T Bell Laboratories Modeling, Simulation and Logic Verification of Shift Multiplier
Summer 1985 AT&T Bell Lab ,Wrote IC generator program and circuit layouts
 - c. Administration 1995-97 Interim Department Head
1997-Pres Department Head
6. CONSULTING, PATENTS, AND RESEARCH CONTRACTS

“Modeling and Simulation of Advanced Mixed Signal System;” funded by NSF; Grant amount of \$1Million, Duration: 2005 to 2009. Other investigators: Drs. Akujuobi, , Sadiku and Qian.

“Increasing the Graduation Rates of ECE Students;” funded by the Texas Higher Education Coordinating Board; Grant amount of \$188,000 from Jun 2005 to August 2008.

“Increasing Electrical Engineering Program Enrollment: New Program, Increased Retention and College Transfers;” Funded by the Texas Higher Education Coordinating Board; Grant amount of \$385,000 from April 2002 to March 2007.

“Launching the Texas Engineering Education Pipeline: Deploying the Infinity Program Statewide;” Funded by the Texas Higher Education Coordinating Board; Grant amount of \$77,600 from April 2002 to March 2007.
7. STATES IN WHICH REGISTERED AS A PROFESSIONAL ENGINEER: Texas

8. PRINCIPAL PUBLICATIONS OF LAST FIVE YEARS (Give Titles and references)

Shuza Binzaid, John O. Attia, "Configurable Active-Region-Cutout-Transistor for Radiation Harned Circuit Applications", IEEE Canadian Conference on Electrical and Computer Engineering, May 2008, Page(s) 1215-1218.

Shuza Binzaid, John O. Attia, Ron D. Schrimpf, "Enclosed Layout Transistor with Active Region Cutout", Pbasics2 Region 5 Conference, April 2008, Page(s) 22-26.

Qian, L., J. Attia, X. Li, and D. Kataria (2008). "Energy Efficient Sensing in Wireless Sensor Networks", book chapter in RFID and Sensor Networks, to be published by CRC press.

J. Attia, D. Zhang, E. Issa, M. Kankam (2007), "Effects of Total Ionizing Dose on Transistor Parameters of DC-DC Converters", RADECS, 2007

Electronics and Circuit Analysis Using MATLAB, 2nd Edition, CRC Press, 2004.

PSPICE and MATLAB for Electronics: An Integrated Approach, CRC Press, 2002.

9. SCIENTIFIC AND PROFESSIONAL SOCIETIES OF WHICH A MEMBER

- a. Member, Institute of Electrical and Electronic Engineers
- b. Member, American Society of Engineering Education

10. HONORS AND AWARDS

- Honors:
- a. Sigma Xi - the Scientific Research Society
 - b. HKN - Electrical Engineering Honor Society
 - c. Tau Beta Pi - National Engineering Honor Society

Awards:

1995 Torch-Bearer-Exemplary University Achiever

1992 Prairie View A&M University Leader Award

1990 and 1984 Excellence in Teaching Awards

1974 Most Outstanding Graduating Senior, College of Engineering, UST.

11. INSTITUTIONAL AND PROFESSIONAL SERVICE IN THE LAST FIVE YEARS

ABET Program Evaluator, 2002 to present

Co-chair, SACS Committee of Graduate Studies

12. PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS

Reviewer for CRC Press of a book proposal submitted by Stephen Sangwine. The title of the proposal was "Electronics Components and Technology, 3rd Edition." August 2005.

Reviewer of a book proposal submitted to Oxford University Press. The title of the proposal was "Electric Circuits." July 2005.

Completed a short course on Radiation Effects (2008, 2007, 2006, 2005)

13. OTHER ACTIVITIES

I served as the dissertation committee chair for Mr. Shuza Binzaid.