

MATTHEW N.O. SADIKU, Ph.D., P.E.
Department of Electrical Engineering
Prairie View A&M University
Prairie View, TX 77446
(936) 857-9906 (office), e-mail: sadiku@ieee.org

PROFESSIONAL PREPARATION

Ahmadu Bello University, Zaria, Nigeria	Electrical Engineering	B. Engr., 1978
Tennessee Tech University	Electrical Engineering	M.Sc. 1982
Tennessee Tech University	Electrical Engineering	Ph.D. 1984
Florida Atlantic University	Computer Science	M.Sc. 1988

APPOINTMENTS

Sept. 2002 – Present: *Professor*, Department of Electrical Engineering, Prairie View A&M University, Prairie View, TX
July 2001 – Aug. 2002: *Senior Scientist*, Boeing Satellite Systems, Los Angeles, CA
Aug. 2000 – June 2001: *System Engineer*, Lucent/Avaya Inc., Holmdel, NJ
1988-July 2000 - *Professor*, Department of Electrical and Computer Engineering Temple University, Philadelphia
1984-1988 - *Assistant Professor*, Department of Electrical and Computer Engineering, Florida Atlantic University, Boca Raton

CONSULTING EXPERIENCE

- Consultant for M.I.T./Lincoln Lab for ray tracing model for multipath propagation in the atmosphere
- Consultant for IBM better ways of arranging their chips on the motherboard to minimize radiated emission and satisfy FCC requirements
- Supervised and directed several senior design projects ranging from the design of a microprocessor-based air-conditioner to performance evaluation of an ethernet LAN.
- Teaching of several graduate-level Electrical and Computer Engineering courses
- Associate editor of IEEE Transactions on Education
- Reviewer for CRC Press, John Wiley, Prentice-Hall, and McGraw-Hill

PUBLICATIONS

- Elements of Electromagnetics – Oxford Univ. Press, 3rd ed., 2000
- Numerical Techniques in Electromagnetics – CRC Press, 2nd ed., 2001
- Fundamentals of Electric Circuits (with Charles Alexander) - McGraw Hill, 2nd ed., 2004.
- Metropolitan Area Networks - CRC Press, 1995
- Optical and Wireless Communications: Next Generation Networks - CRC Press, 2001
- Over 120 technical papers and over 20 books

SYNERGISTIC ACTIVITIES

Associate Editor of IEEE Transactions of Education
IEEE Region 2 Student Activities Committee Chairman
Reviewer for IEEE Transactions on Education, Circuits and Systems, Microwave Theory and Techniques, and Antenna and Propagation
Reviewer for John Wiley & Sons and CRC Press
Instructor on "Transmission Lines" for PE Exam Refresher Course

COLLABORATORS AND OTHER AFFILIATIONS

- a. Collaborators:
 - Charles Alexander, Cleveland State University
 - Emeka Aduba, Motorola Inc.
- b. Graduate and Postdoctoral Advisors:
 - Carl Ventrice, Tennessee Tech University
 - Mohammad Ilyas, Florida Atlantic University
- c. Thesis Advisor and Postgraduate-scholar sponsor:
 - Emeka Aduba, Motorola Inc.
 - Tan Nguyen, Lockheed Martin