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EDUCATION

University of the Virgin Islands, St. Thomas, U.S Virgin Islands; A.A. 1967
Lincoln University, Pennsylvania, B.A, 1969
University of Rochester, Rochester, NY; 1972
State University of New York, Buffalo, NY; Ph.D, 1988

OTHER EDUCATIONAL EXPERIENCES:

Preparing Mathematicians to Educate Teachers (PMET): The Mathematics of High School;
University of Alabama, Tuscaloosa, AL, May 22-29, 2005.

Conference on "First-Year Students" sponsored by University of South Carolina, October 2003.

University of North Carolina Teaching and Learning with Technology Conference, Greensboro,
NC April 2002.

Sabbatical leave at Michigan Technological University where work on the nucleus of a textbook
"Through Applications To The Calculus" was started; August 1999 to May 2000.

Technology Institute at Fayetteville State University, Fayetteville, NC
June, 1998.

"Science and the Humanities", Dartmouth College, May 1997.

Statistics Workshop at Colorado State University, Fort Collins, CO;
May 31 to June 8 1995.

Technology Institute at Fayetteville State University, Fayetteville, NC;
June 26 to June 30 1995.

Workshop on "Strategy and Issues in Calculus Reform", Mississippi State University
Starkville MS; May 22 to May 29, 1994.

Workshop on "Advances in High Performance Parallel Computing" at Clark Atlanta
University, Atlanta, GA; Sept. 28 to Sept. 30, 1994

Institute on "Hypermedia Classroom Applications" at Fayetteville State University; June 27 to July
3, 1993

Workshop on "Summer Intervention Programs", San Antonio, Texas
Feb. 5 to Feb. 9, 1992.

Annual Conference of the National Alliance of Black School Educators,
Atlanta, GA; Nov. 16 to Nov. 21, 1991 and 1992.

Joint Meeting of the Mathematical Association of America (MAA) & American Mathematical
Society (AMS) since 1992 (except 2001).

National Council of Teachers of Mathematics (NCTM) Conference since 1989.

Census Data Workshop: U. S Bureau of Census at University of Wisconsin, Green Bay, WI 1991.

"Strengthening Departmental Leadership", FSU, Fayetteville, NC: April 8-9, 2002.

Conference: "Federal Relations Council", Washington, DC Sept. 12-14, 2004.

"Minority Engagement in Professional Science Master's Programs", University of Texas at El Paso, TX; Jan. 9-10, 2004.

SAS Workshop on new Statistical Software; Cary, NC; April 22-23, 2003.

"UNC Leadership Institute Workshop for Chairs and Deans", Chapel Hill, NC; June 3-4, 2002.

"Taking Care of Business: Measuring Up in Mathematics, Science and Engineering", Quality Education for Minorities Network Conference. Baltimore, MD; June 6-8, 2003.

Mini-course in Biomathematics at meeting of the Mathematical Association of America (MAA), January 2000.

PROFESSIONAL EXPERIENCE: (last 15 years)

August, 2001 – June 2005 Associate Professor of Mathematics & Computer Science
Department Chair

Fayetteville State University

August 2000 – July 2001 Associate Professor of Mathematics &
Technology
Department Chair

University of Arkansas at Pine Bluff

August, 1999-May, 2000 Michigan Technological University
Houghton, MI (on sabbatical leave)

August, 1991 - June, 2000 Associate Professor of Mathematics
Hampton University, Hampton VA

August, 1991 - June, 1997 Department Chair
Hampton University, Hampton VA

August, 1990 - May, 1991 Assistant Professor of Mathematics & Computing
University of Wisconsin
Stevens Point, WI

August, 1988 - May, 1990 Assistant Professor of Mathematics
University of the Virgin Islands
St. Thomas, U S Virgin Islands

University Committees:

Fayetteville State University-

University- academic affairs, university college advisory board, teacher education,
Departmental- curriculum, graduate

Michigan Technological University-

Departmental- precalculus

University of Arkansas-

University – technology, academic affairs and educational policies
Departmental – curriculum, recruitment

Hampton University -

Departmental graduate program, student advising, undergraduate curriculum
University- graduate council, task force on administrative efficiency and effectiveness, academic personnel.

University of Wisconsin -

Departmental- curriculum, math league.

University of the Virgin Islands -

Departmental- instructional review, academic advising

University- caribbean studies, faculty mentor, coach of the inter-collegiate debating team, coach of university soccer team.

University of North Carolina System – North Carolina Early Mathematics Placement Testing (NC EMPT) Program Advisory Committee.

Current Academic Activities:

Work in progress: manuscript (nucleus of a textbook) in collaboration with Dr. Bernd Schroder: "Through Applications to The Calculus".

Work in progress: Booklet "A Guide To The Study of Calculus".

Reviewer of test material for Graduate Record Examinations (GRE) for Educational Testing Service (ETS).

Work in progress: "A mathematical Model for Cancer Theo-Immunodynamic Therapy" with Frank Nani and Kwami Tuprah.

Invited Presentations and Publications: (last 5 years)

A. Kodippli, V. Goodwin and D. Senaratne, "Dynamics of Implied Volatilities for S &P 500 Index Options Contracts", presented at 2nd annual Atlantic Consortium for Research in Mathematical Sciences (ACRMS), Summer 2005.

V. Goodwin and V. Yorgov, "New extremal self-dual doubly-even binary codes of length 88", Finite Fields and Their Applications, Vol. 11/1 pp. 1-5, 2005.

"Is Technology Enough For Students' Visualization? Some Thoughts", UNC Teaching and Learning With Technology Conference, Greensboro, NC April, 2001.

"Through Mathematics to the Biological Sciences". April, 2000
University of Arkansas at Pine Bluff.

"Getting Students Through the Mathematics Pipeline". Sept. 2000, Michigan Technological University.