

1. PERSONAL INFORMATION:

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Professor

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2. EDUCATION:

Ph.D. Johns Hopkins University, Mechanics (1974),

Ph.D. Thesis Title: "Experimental Studies in a Field of Nearly Homogeneous Turbulent Shear Flow"

M.E.S. Johns Hopkins University, Mechanics (1965),

M.S. Thesis Title: The Turbulence Generated by an Array of Parallel Rods

B.E.S. Johns Hopkins University, Mechanical Engineering (1962)

3. ACADEMIC APPOINTMENTS AND OTHER SIGNIFICANT WORK EXPERIENCE:

Adjunct Faculty, Fort Hare University, (RSA) and Kansas State University (USA),

Part-time (2005-Present)

Head, Aerospace Science Engineering, Tuskegee University,

Full-time (2002- 2011)

Professor, Aerospace Science/Mechanical Engineering, Tuskegee University,

Full-time (1982- Present)

Dean, School of Engineering and Architecture, Tuskegee University,

Full-time (1982 - 1992)

Associate Dean, School of Engineering, Howard University,

Full-time (1980 - 1982)

Associate Professor, School of Engineering, Howard University,

Full-time (1977 - 1982)

Assistant Professor, School of Engineering, Howard University,

Full-time (1974 - 1978)

4. FIELD(S) or AREA(S) OF SPECIAL INTEREST WITHIN DISCIPLINE OR PROFESSION:

Academic Administration and Engineering Education

Stochastic Processes, Turbulence, Energy Efficiency and Propulsion, University Linkage Programs with Secondary Schools and other Colleges: SREB "Preparation for Tomorrow"; (Freshman Accelerated Start-up Training for Retention in the Engineering Curriculum (FASTREC)); Capacity Building and Housing in South Africa; Hurricane Resistant Housing.

5. MEMBERSHIP: ASEE

6. SERVICE TO COMMUNITY: National Park Service, Tuskegee Airmen National Historical Center, Planning Board, (2003 - Present); NASA National Advisory Committee, (2004 - 2006); Gore-Mbeke Bi-national Commission (DOE), National Coal Council, USDOE, (1997 - 2003); PhD Committee Reader University of Fort Hare (2006-2010).

7. SPECIAL AWARDS, FELLOWSHIPS AND OTHER HONORS: Gore-Mbeke Bi-national Commission, Sustainable Energy Sub-Committee

8. MAJOR TUSKEGEE UNIVERSITY COMMITTEES: Chair, Tuskegee University Faculty Senate (2009-11); Head, Faculty Senate Academic Personnel Services (Promotion and Tenure) Committee (2008-09); University Student Advisement Committee (2005); CEAPS/CEPS, Dean's Advisory Council (2002-2011); Department Heads Council (2002-Present);

9. PROFESSIONAL GROWTH AND DEVELOPMENT: Publications:

1. Grid-like Elevation Patterns for Low-Rise Buildings in Hurricane-Prone Areas, w/ S.F. Ali et al, Accepted for Presentation 2010 Structures Congress, American Society of Civil Engineers.

2. HED Synergy Conference 2007, Washington, D.C. – Invited Joint Presentation on Low Cost, Energy Efficient Housing Program in South Africa.

3. Engineering Ethics and Society, w/Burge, L. et. al., ASEE Annual Conf. Proc., (2007).

4. Sustainable, Indigenous, Energy Efficient House, w/Strueber, L. et. al., ASEE Annual Conf. and Expo. Pp 12377-12385 (2004).

5. Direct Numerical Simulation of Compressible Shear Flow (w/ P. Hanley), Presented American Physical Society, Annual Meeting, Atlanta, GA (Nov. 1994)

6. The Turbulence Generated by an Array of Parallel Rods, ICASE Turbulence Seminar, NASA Langley Center, Langley, VA, Summer (1994)

10. PROFESSIONAL ACTIVITIES: Consultant for Southern Regional Education Board (SREB), Adjunct Faculty: Kansas State University (USA), and Fort Hare University (Republic of South Africa) ,