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CURRICULUM VITA

EDUCATION

- Ph.D. Physics, University of Michigan, Ann Arbor, MI 1991
- B.S. Physics, University of Pittsburgh, Pittsburgh, Pennsylvania, 1984

EXPERIENCE *(List all previous teaching and administrative positions held relative to Higher Ed.)*

- Prairie View A&M University
Associate Professor, 2003 – Present
Courses: Physical Principles of Solid State Devices (Physical Electronics),
Electromagnetic Field Theory, Photonic and Electronic Materials and Devices, Advanced
Quantum Devices, Advanced Photonics
- Teaching Assistant, 1984-1987, University of Michigan
Courses: Introductory Physics & Introductory Astronomy labs and recitations

PROFESSIONAL, TECHNICAL AND WORK-RELATED EXPERIENCE AND SKILLS

- Director, NASA Center for Radiation Engineering and Science for Space Exploration,
2008 – present.
- Director, Center for applied Radiation Research, 2000 – present.

PROFESSIONAL ACHIEVEMENTS AND PUBLICATIONS *(5-7 most recent)*

- Researcher of the Year, College of Engineering, 2008-2009.
- NASA University Research Center Award, \$5 million/5years, 2008-2013.
- “Biological effects of high-energy neutrons measured in vivo using a vertebrate (*Oryzias* laptipes) model”, W. Kuhne, B. Gersey, R. Wilkins, H. Wu, S. Wender, and W. Dynon, *Radiation Research*, Vol. 172, 473-480 (2009).
- “Single Wall Carbon Nanotube Response to Proton Radiation”, P. Boul, K. Turner, J. Li, M. X. Pulikkathara, R. Dwivedi, E. Sosa, Y. Lu, O. Kuznetsov, P. Moloney, R. Wilkins, M. O’Rourke, V. Khabasheshu, S. Arepalli, L. Yowell, *Journal of Physical Chemistry C*, Vol. 113, 14467-14473 (2009).
- Paper accepted at 2010 Scientific Assembly of the Committee for Space Research, Bremen, Germany, July 18-25, 2010.