

Faculty Name: Peter Intsiful, Ph. D. **Work Address:** P.O. Box 519; MS 2230
Prairie View, TX 77446

Position Title: Lecturer
Office Location: E. E. O'Banion, Room 304
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Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph D. Physics	Howard Univ., Washington DC	2007
	M.S. Physics	Howard Univ., Washington DC	1982
	B.S. Physics	Howard Univ., Washington DC	1978
Teaching Experience:	Position Title	Institution Name	Position Dates (Beginning and End)
	Lecturer	Prairie View A & M University	2018 - Present
	Adjunct Assistant Professor	Prairie View A & M University Prairie View, TX 77446	2015 - 2018
	Lecturer	Howard Univ. Dept of Physics and Astronomy, Washington, DC	2007 - 2014
	Adjunct Professor	University of the District of Columbia, Washington, D.C.	2010 - 2012

**Professional
Publications:**

Experimental characterization of a small custom-built double-acting gamma-type stirling engine. Authors: Peter Intsiful, Francis Mensah, Arthur Thorpe: Mar 18, 2016 **Poster:** <https://meetings.aps.org/Meeting/MAR16/Session/M1>

Measurement of Water Vapor in the Lower Troposphere Using LIDAR
Authors: Mensah, Francis; Intsiful, Peter; Thorpe, Arthur.: Mar. 18, 2016
Poster: <http://adsabs.harvard.edu/abs/2016APS..MAR.G1303M>

Economic and Social Impact of the Emerging Ghana Oil Industry: Kojo Arthur, Yaw Adu Otu, and Peter Intsiful.
<https://www.ghanaweb.com/GhanaHomePage/features/Economic-And-Social-Impact-Of-The-Emerging-Ghana-Oil-Industry-180395>

Additional**Trainings/Skills:**

Educational Technology: Effective Use of Learning Management System (LMS) for high productivity, accountability and efficiency. Manage and control large class size, as well as students' behavior effectively.

PVAMU TrainTrack-Professional Development:

- 1) The Laboratory Safety; 2) Hazardous Communication;
- 3) Fire and Life Safety Training; and 4) Ethics.

Ph.D. Training: Applied Electro-Mechanics for Renewable Energy Experiments. Also trained in Atmospheric Physics: Radiative Transfer & Climate Change.

Post-Graduate, US Geological Survey National Center, Reston, VA: performed Neutron Activation Analysis for Mineral Exploration. (Method: *Delayed Gamma-ray measurements in-borehole activation by ^{252}Cf and 14-MeV neutron generator source.*)

M.S. Training in Solid State Physics: Tensor Analysis of Some Nonlinear Aspects of Elasticity. Industrial Experience: Senior Research and Development Engineer, Loral AeroSys; International Space Station Ground Communication Network Systems. NASA-Goddard Space Flight Center, Greenbelt, MD.

NASA Training Certificates:

- Satellite Communications; and
- Satellite Fire and Safety.

Awards:

Recognition for exceptional work and dedication to students by Brailsford College of Arts and Sciences, Prairie View University, Oct. 2017.

Outstanding Teacher in General Science, Math and Computer Basics: DC Public School System, 1996.

Group Achievement: Satellite Engineering Award - NASA Goddard Space Flight Center/Bendix Field Engineering: For the maintenance and support of the International Ultraviolet Explorer (IUE) for extending life span, June 1986.

Research Activities:

Research interests: Upper Atmospheric Physics; Some Nonlinear Aspects of Elasticity; Satellite Navigation and Tracking Systems Engineering. PVAMU Solar Observatory; Mars Radiation Environment Modeling and Data Analysis (NASA-JSC) (Summer 2018). PVAMU Weather Station Installation (Summer 2019).

Professional Affiliations:

American Physical Society (APS) and American Association of Physics Teachers (AAPT)

Profile:

Mission: To provide general educational foundation for the advancement of students to succeed in dynamic and ever-changing work force. Strong advocate for STEM programs. Has skills to strategically and effectively managed and retain large class sizes of diverse population.

Earned Ph.D. in Physics in 2007 from Howard University. Has twelve years of teaching at the university level and ten years in the aerospace industry: spacecraft systems engineering in NASA/GSFC. Some major projects include: Tracking Data Relay Satellite Systems (TDRSS); International Ultraviolet Explorer (IUE). Lead Engineer for the Development of "Verification & Validation Plan for the International Space Station Ground Communication System Network".

Research interests include: Physics Education, Upper Atmospheric Physics and Peaceful Application of Space Science and Technology for Sustainable Development.

Participate in the University activities - member of University Faculty Senate and serve on the Plagiarism Committee.

