

Curriculum Vitae

Edward Tetteh-Lartey, PhD
Dept of Physics
Sam Houston State University
Huntsville
Texas 77341
Tel:254 716 3100 Email: ext004@shsu.edu

OBJECTIVE:

Seeking a Faculty position in Physics or Maths

EDUCATION:

- Ph.D Physics- Spring 1998
Thesis: A study of CP violation in the B system using the Babar detector. University of London, London, UK.
- M.Sc Engineering Physics- June 1994
Graduated with Distinction; Brunel University, London, UK
- B.Sc (Hons) Math & Physics- June 1991
Double major in Physics and Maths; University of Ghana, Accra, Ghana

EMPLOYMENT:

- January 2008–Present Instructor
Sam Houston State University
Teaching Introductory Astronomy, and Conceptual Introduction to Physics.
Also carrying out research work in String theory. Specializing in vacuum selection on the string landscape.
- January 2003 - December 2007:
Research Associate
Texas A&M University - College Station, Texas
Research work on the MINOS (Main Injector Neutrino Oscillation)

project. Analyzed real beam events to extract neutrino oscillation parameters. Also worked on string theory and quantum cosmology (see publications in these area).

- January 2002 - 2003:
Visiting Assistant Professor and Research Associate
Texas A&M University - College Station, Texas
Teaching Physics 306 (Astronomy) and carrying on research work on the MINOS (Main Injector Neutrino Oscillation) project.
- June 2000-January 2000:
Postdoctoral Research Associate, Texas A&M University, College Station, Texas.
Analysed both Monte-Carlo and real data of cosmic muons and atmospheric neutrino events from the MINOS far detector.
Also involved in the maintenance and development of the MINOS experiment C++ software for the collaboration.
- Jan 2000 - Jun 2000:
Maths & Computer Instructor North Lake College, Irving, Texas.
Taught C++ programming and first year Calculus.
- August 1999 - Jun 2000:
Maths & Computing Instructor, Renaissance Charter School, Irving, Texas.
Taught 9-12 grade.
- April 1998 - Dec 1999:
Lecturer, University of Ghana - Accra, Ghana Introductory to quantum mechanics and relativity physics
- Sep 1994 - Apr 1998:
Research Assistant, University of London, London, UK.
Worked on CP violation in the B meson sector with the BaBar detector

COMPUTER, HARDWARE & OTHER SKILLS:

- Adept at learning new computer tools and languages quickly. Experienced with large high performance computing systems that utilize tailor-written software for data acquisition, reduction and analysis.
- Programming Languages: C++ with OOD (Object-oriented design), C, Fortran77, Shell Scripting (with Korn, Bourne and C shells), HTML programming.

- Platforms/OS: UNIX (LINUX, IRIX), VAX/VMS
- Packages: emacs; standard UNIX tools (csh,awk, etc); LaTeX; GEANT (detector simulation); Mathematica; ROOT (an Object-Oriented Data Analysis Framework); MsSQL (Database package); CVS (Concurrent Versions System); SRT (Software Release Tools); and GNUMakefiles.
- Hands on experience with scintillator, proportional tube and drift tube particle detectors for calorimetry and tracking
- Excellent interpersonal and communication skills
- A good understanding of futures, options and other derivatives. Familiarity with volatility forecasting, option pricing techniques and in particular the use of Black Scholes differential equations for the modeling of the behaviour of stock prices. Also a strong understanding of stochastic calculus.

PUBLICATIONS:

<http://minos2.physics.tamu.edu/lartey/cv/publications.pdf>

REFERENCES:

- Professor R. Webb, Department of Physics, Texas A&M University, College Station, Texas 77843. Tel: (979) 845 4012; Fax: (979) 845 2590; Email: webb@heprb.physics.tamu.edu
- Professor Jon Urheim, Indiana University, Physics Department, Swain West 117, Bloomington, IN 47405 Tel: (812) 855 4178, Email: urheim@indiana.edu
- Dr Dave Boehnlein, Fermilab, P.o.Box 500, Batavia, Illinois 60510, Tel: (630) 840 8743; Email: dave_b@fnal.gov
- Dr George Irwin, Standford University, Dept of Physics, Standford, California, USA. Tel: (650) 926 2808; Email: gmieg@slac.stanford.edu
- Professor M. G. Green, Dean of Science, Royal Holloway, University of London, Egham, Surrey TW20 OEX. Tel: +44 1784 444147; Fax: +44 1784 472794; Email: m.green@rhul.ac.uk