

CHRISTIAN SEBERINO

info@phil4.com

832-585-9253

Teaching Experience

Physics & Math Instructor (2008-present): Started own teaching and tutoring business. Taught and tutored homeschool, public school and private school students in math, physics and computer programming.

Physics, Math & Computer Programming Instructor (2011-2012): Taught physics, math and computer programming classes and developed course materials for ITT Tech.

Computer Programming Instructor (2003-2007): Taught computer programming classes and developed course materials for the University of California, San Diego, Scripps Institution of Oceanography and SPAWAR Systems Center San Diego.

Computer Security Instructor (2001): Taught computer security classes and developed course materials for SPAWAR Systems Center San Diego.

Physics Teaching Assistant (1995-1997): Assisted in teaching physics classes while a physics graduate student at the University of California, San Diego.

Math & Physics Tutor (1988-1992): Tutored students in math and physics as an undergraduate at the University of California, San Diego.

Church Small Group Leader (1993-2009): Taught and led Bible studies, financial management classes and other small groups in my church.

Work Experience

Phil4 (2008-present): Started own teaching and tutoring business. Taught and tutored homeschool, public school and private school students in math, physics and computer programming.

ITT Tech (2011-2012): Taught physics, math and computer programming classes and developed course materials for ITT Tech.

Independent Consulting (2003-2009): Consulted for academia and industry on various mathematical, physics and computer programming projects.

Qualcomm (2006-2009): Provided mathematical and software engineering support for various classified and unclassified cell phone related projects.

SPAWAR Systems Center San Diego (2000-2006): Provided mathematical, physics and software engineering support for various classified and unclassified projects.

University of California, San Diego (1994-2000): Completed magnetics related research and development as part of my Ph.D. requirements.

Education

Degrees: B.S. (1992), M.S. (1997) and Ph.D. (2000) in physics from the University of California, San Diego

GPA: A

Publications

Tauxe, L., H.N. Bertram, and C. Seberino, Physical Interpretation Of Hysteresis Loops: Micromagnetic Modeling Of Fine Particle Magnetite, *Geochem., Geophys., Geosyst.*, DOI 10.1029/2001GC000280, 2002.

A. R. Bulsara, C. Seberino, L. Gammaitoni, M. F. Karlsson, B. Lundqvist and J. W. C. Robinson, Signal Detection Via Residence Times Asymmetry In Noisy Bistable Devices, *Physical Review E*, 88 (23):230601, 2002.

C. Seberino and H. N. Bertram, Concise Efficient 3D Fast Multipole Method For Micromagnetics, *IEEE Trans. Magn.*, 37(3):1078-1086, 2001.

C. Seberino and H. N. Bertram, Numerical Study Of Hysteresis And Morphology In Elongated Tape Particles, *J. Appl. Phys.*, 85(8):5543-5545, 1999.

H. N. Bertram and C. Seberino, Numerical Simulations Of Hysteresis In Longitudinal Magnetic Tape, *J. Mag. Mat.*, 193:388-394, 1999.

C. Seberino and H. N. Bertram, Micromagnetics Of Long Ferromagnetic Particles, *IEEE Trans. Magn.*, 33(5):3055-3057, 1997.

Honors

SPAWAR Systems Center Award for Exemplary Achievement, 2005

San Diego Fellowship, 1995-1999

Regents Fellowship, 1994-1995

Faculty Mentor Research Program Fellowship, 1990, 1991, 1993

San Diego Supercomputer Center Research Experience for Undergraduates Award, 1991

Magna Cum Laude, 1992

Academic Honor Roll, 1988-1992