

**Academic Vitae**  
**(Bonsu Mensah Osei)**

**Personal Details**

Business Address: Department of Mathematics and Computer Science, 83 Windham Street,  
Willimantic CT 06226  
Telephone 860-465-4640 Fax: 860-465-4614  
Email: [oseib@easternct.edu](mailto:oseib@easternct.edu)  
Webpage: <http://www.easternct.edu/personal/faculty/oseib/>

**Education**

2000- 2005	University of Vermont, USA	Ph.D. in Applied Mathematics. Advisor: Daniel Bentil
1993-1997	University of Cape Coast, Ghana	MPhil. Mathematics
1988-1992	University of Cape Coast, Ghana	BSc. Mathematics & Diploma in Education

**Selected Peer Reviewed Publications**

**Osei, B. M.**, Ellingwood, C. D., Hoffmann, J. P., Bentil, D. E. (200X). Modeling Invasive Species Spread in Lake Champlain via Evolutionary Computations submitted to Ecological Modeling.

Bentil D. E., **Osei B. M.**, Ellingwood C. D., Hoffmann J. P. (2007). Analysis of a Schnute Postulate-based Unified Growth Model for Model Selection in Evolutionary Computations, *Biosystems* 90 467-474.

**Osei, B. M.**, Hoffmann, J. P., Ellingwood, C. D., Bentil, D. E. (2005). Probabilistic Uncertainty in Population Dynamics. *WSEAS Transactions on Biology and Biomedicine* 2(1), Pp 51 – 56.

Hoffmann, J.P., Ellingwood, C.D., **Osei, B. M.** and Bentil, D.E. (2004). Ecological modeling via information theory and evolutionary computation. *Journal of Genetic Programming and Evolvable Machines* 5(2) pp 229-241.

Bentil, D. E., **Osei, B. M.**, Ellingwood, C. D. Hoffmann, J. P. (2003). Deterministic uncertainty in population growth. *Proceedings of the 4<sup>th</sup> IEEE International Symposium on Uncertainty Modeling and Analysis (ISUMA)*. IEEE Computer Society Press, Los Alamitos, CA. pp 274 - 278.

**Mentored Students**

1. I have been research advisor and mentor to four undergraduate students (Robert Szarka – going to graduate school in fall 2008, Sister Joan Clare Gulden, Jenae Beauchamp - minority and Nicole Beauchamp – minority)

2. Worked with High School students the summer of 2001, 2002 and 2003 at the University of Vermont/Governor's Institute of Vermont Engineering, Mathematics and Computer Science Summer Program.
3. Served as a co-advisor on October 4, 2003 for the New England Board of Higher Education Science Network Workshop held at Massachusetts Institute of Technology, Cambridge MA.

### **Activities and Responsibilities**

Spring 2007 to date	Member, CSU Research Conference Committee
Fall 2007 to date	Member, Sabbatical Leave Committee
March 2005 - Date	Faculty Facilitator, Eastern Connecticut State University
March 2005 - Date	2005 Student Orientation, Advisement & Registration Program, Eastern Connecticut State University
Spring 2005, 2006 and Fall 2007	Member, ECSU Foundation Scholarship Selection Committee
08/2004 – to date	Member, Statistics Committee, Department of Mathematics and Computer Science, Eastern Connecticut State University
2002 - 2003	Member, Graduate Committee, Department of Mathematics and Statistics, University of Vermont
Summer 2001, 2002 and 2003	Councilor, University of Vermont/Governor's Institute of Vermont Engineering, Mathematics and Computer Science Summer Program
October 4, 2003	Co-advisor, New England Board of Higher Education Science Network Workshop held at Massachusetts Institute of Technology, Cambridge MA.

### **Conferences and Workshops**

November 19-24 2007	Optics and Laser Applications in Medicine and Environmental Monitoring For Sustainable Development (OPTOLASERMED 2007), University of Cape Coast, Cape Coast, Ghana
October 14, 2006	10 <sup>th</sup> CSUS Faculty Research Conference, Western Connecticut State University, Danbury, CT
September 9 -12, 2006	SIAM conference on Non-linear Waves and Coherent Structures held in University of Washington, Seattle, WA.
May 21 to 26, 2006	Workshop on Systems Biology and Molecular Modeling held at UCLA, Los Angeles, CA.
April 4, 2006	Comsol Multiphysics Modeling Workshop, held at Micro Tek, Burlington, MA.

October 22, 2005	9 <sup>th</sup> CSUS Faculty Research Conference, held at Central Connecticut State University, New Britain, CT
October 28 to 30, 2005	Workshop on Applications of Methods of Stochastic Systems and Statistical Physics in Biology at University of Notre Dame, South Bend, IN
January 22 – 25, 2005	WEAS International Conference on Mathematical Biology and Ecology, Udine, Italy.
January, 7-10, 2004	AMS Joint Mathematics Meeting, Phoenix, USA.
June 4, 2003	New England Board of Higher Education Science Network Workshop, Massachusetts Institute of Technology, Cambridge Massachusetts.
April 2, 2002	Technology in Classroom Workshop, UVM, VT.
June, 11 - 22 2001	International Workshop on Protein Folding, Structure and Design, Trieste, Italy.
January 8-10 2001	AMS Short Course on Mathematical Biology, New Orleans, USA.
January 10 -13 2001	AMS Joint Mathematics Meeting, New Orleans, USA
September 24 –	Modeling Real Systems: A Hands-on First Encounter with Industrial
October 22 1999	Mathematics, Trieste Italy.
July 22 - August 2, 1996	2nd Edward Bouchet Regional Conference on Functional Analysis and its Applications to Differential Equations. Accra, Ghana.
April 15- May 3, 1996	School on Nonlinear Functional Analysis and Applications to Differential Equations, Trieste, Italy.

**Professional Affiliation**

1. Member American Mathematical Society
2. Member Society of Mathematical Biology
3. Member Mathematical Association of America