

AMEI AMEI

CURRICULUM VITAE

Department of Mathematical sciences
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Academic Background

2007-	Assistant Professor in Statistics Department of Mathematical Sciences, University of Nevada Las Vegas
2002-2007	Ph.D. Mathematics , Washington University in St. Louis Advisor: Stanley Sawyer Dissertation: Population Genetics of Polymorphism and Divergence for A Time-Dependent Poisson Random Field Model
1996-1999 (with Honor)	M.S. Mathematics , University of Science and Technology of China (USTC)
1992-1996	B.S. Mathematics , Inner Mongolia University, China

Research Interests

Statistical Inference of Stochastic Processes, Mathematical Biology, Statistical Genetics, Probability Theory, Diffusion Theory, MCMC Method

Publications/Manuscripts

- A Time-Dependent Poisson Random Field Model for Polymorphism Within and Between Two Related Species (in Progress)
- Y.Cheng, A. Amei, Integrate Type of Darboux Transformation 1999, Annals of Mathematics(China) 20A: 6(1999) 667-672

Current Teaching

- Fall 2007 STA 731 – Probability Theory
- Spring 2008 STA 391 – Applied Statistics for Biological Sciences

Teaching Experience

Lecturer 1999-2002	Department of Mathematics, Inner Mongolia University, China.
Teaching Assistant 2004-2006	Department of Mathematics, Washington University in St.Louis.
Lab Assistant 2003	Department of Mathematics, Washington University in St.Louis.

Mathematical Contests

- 1996 1st place, China Undergraduate Mathematical Contest in Modelling (CUMCM)
- 1995 3rd place, China Undergraduate Mathematical Contest in Modeling (CUMCM)

Awards and Honors

- NSF EPSCoR RING TRUE III: Infrastructure Award (2007-2008; \$30,000).
- Dissertation Fellowship, 2007, Washington University in St.Louis
- Research Assistantship, 2004-2006, Washington University in St.Louis
- University Fellowship, 2002, 2003, Washington University in St.Louis
- Outstanding Young Teacher Award, 2001, Inner Mongolia University, China
- Outstanding Graduate Student Award, 1999, Anhui Province, China
- “Guang Hua” Fellowship, 1998, University of Science and Technology of China(USTC)

Conferences and Workshops Attended

Mathematical aspects of computational biology workshop at MSRI , UC Berkeley, CA, June 2006

Computational Biology Retreat, Department of Genetics, School of Medicine, Washington University in St.Louis, September 2005, 2004

Seminar on Bayesian Inference in Econometrics and Statistics (SBIES), Olin School of Business, Washington University in St.Louis, July 2005

Talks at Wash U

- “A Time-Dependent Poisson Random Field Model in Population Genetics” November 2006 (Statistics Seminar)
- “Diffusion Approximation to Discrete Time Markov Processes” October 2005 (Graduate Student Seminar)
- “Kernel Method ” July 2005 (Statistics Summer Reading Seminar)
- “Neural Networks” August 2005 (Statistics Summer Reading Seminar)
- “Support Vector Machines” August 2005 (Statistics Summer Reading Seminar)

Professional Affiliations

Membership of American Statistical Association (ASA)

Membership of American Mathematical Society (AMS)

Computational Skills

SAS, Matlab, and C