

Curriculum Vitae

Name: Yongtao Guan
Term: Assistant Professor July 1, 2006-
School Assignment: School of Medicine

Education:

9/1994-7/1998	B.S.	Probability & Statistics, Peking University Beijing, China
8/1998-8/2003	Ph.D.	Statistics, Texas A&M University College Station, TX

Career:

8/2003-6/2006	Assistant Professor, University of Miami Department of Management Science, Coral Gables, FL
7/2006-present	Assistant Professor, Yale University, School of Medicine, Department of Epidemiology and Public Health

Grant History for last 12 years:

NSF DMS-0603673 (PI)
Spatial Point Pattern Analysis Using Composite Likelihood
14% Effort
6/1/06-05/30/09

Bibliography:

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2. **Guan, Y.** Tests for independence between marks and points of a marked point process. *Biometrics* 2006; 62: 126-134.
3. **Guan, Y.**, Sherman, M., and Calvin J.A. Assessing isotropy for spatial point processes. *Biometrics* 2006; 62: 119-125.
4. **Guan, Y.** A composite likelihood approach in fitting spatial point process models. *Journal of the American Statistical Association, Theory and Methods* 2006; 101: 1502-1512.
5. **Guan, Y.**, Sherman, M., and Calvin J.A. On asymptotic properties of the marked variogram estimator of a marked point process. *Journal of Statistical Planning and Inference* 2007; 137: 148-161.

6. **Guan, Y.** and Afshartous, D. Test for independence between marks and points of marked point processes: a Subsampling Approach. *Environmental and Ecological Statistics*. In press.
7. **Guan, Y.** A composite likelihood cross-validation approach in selecting bandwidth for the estimation of the pair correlation function. *Scandinavian Journal of Statistics* 2007; 34: 336-346.
8. **Guan, Y.** and Sherman, M. On least squares fitting for stationary spatial point processes. *Journal of the Royal Statistical Society, Series B* 2007; 69(1): 31-49.
9. **Guan, Y.** and Loh, J. M. A thinned block bootstrap procedure for modeling inhomogeneous spatial point patterns. *Journal of the American Statistical Association, Theory and Methods*. In press.
10. **Guan, Y.** A least-squares cross-validation bandwidth selection approach in pair correlation function estimations. *Statistics and Probability Letters*. In press.