UTSA

The University of Texas at San Antonio
College of Engineering

SiViRT

Center for Simulation, Visualization,
and Real Time Prediction

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Areas of Teaching Interest:

- Basic Statistics
- Applied Probability and Statistics for Engineers

Areas of Research Interest:

- Bayesian Methods
- Environmental Statistics
- Geostatistics
- Markov Random Fields
- Spatial Prediction
- Space-Time Modeling

Publications

- **Bayesian Analysis of Conditional Autogressive Models**

  V. De Oliveira, Annals of the Institute of Statistical Mathematics, to appear, (2012).

- **Bayesian Model Selection in Spatial Lattice Models,**

  V. De Oliveira and J.J. Song, Journal of Statistical Methodology, (in print)

- **Maximum Likelihood and Restricted Maximum Likelihood Inference for a Class of Gaussian Markok Random Fields**

  V. De Oliveira, Ferreira, M.A.R., Mertika, 74, 167-183, (2011).

- **Objective Bayesian Analysis for Gaussian Random Fields**

  V. De Oliveira, In: Frontiers of Statistical Decision Making and Bayesian Analysis—In Honor of James O. Berger, M.H. Chen, D.K. Dey, P. Mueller, D. Sun and K. Ye, pp497-511, (2010).