

CURRICULUM VITAE

Tonghui (Tony) Wang

Department of Mathematical Sciences
New Mexico State University, Las Cruces, NM 88003-8001
Phone: (575)646-2507 Email: twang@nmsu.edu

Education

Summer 2014: Visiting Professor: Northwest A and F University, Yangling, China; Xidian University, Xian, China; Northwest University, Xian, China; Donghua Uni-

Fall 2000: Visiting Associate Professor, Duke University, USA.

Mathematically Connected Communities - Expanded/ Bulger-Tamez, Kinzer:
500,000 dollars from New Mexico Public Education Department (April 2008) for
a duration of one year.

91Re1a8mmunitiesanommTGr/ foine64(South)]TJw

Reviewer: Mathematical Reviews.

Research Interests

(i) Multivariate linear models and distributions of quadratic forms with applications in growth curve models, multivariate analysis of variance models, and the class of skew distributions including skew normal, skew elliptical distributions.

(ii) Statistics of random sets with applications in coarsening data and fuzzy data.

(iii) Probability models and statistical methods in reliability.

(iv) Applications of the mathematical and statistical modeling.

(v) Copulas and their statistical applications.

(vi) Statistical inference of stochastic dominance and poverty measures with applications.

Refereed Publications

1. N. Albehery and T. Wang, *Stochastic Dominance to Study Poverty Measures and its Applications*, International Journal of Innovative Science and Modern Engineering, Volume 4, Issue 3, Feb. 2016
2. W. Tian, C. Wang, M. Wu, and T. Wang, *The multivariate extended skew normal*

8. K. Suriya, T. Sudtasan, T. Wang, O. Lerma, and V. Y. Kreinovich, *Diversity Is Beneficial for a Research Group: One More Quantitative Argument*. Journal of Uncertain Systems, Volume 9, Issue 2, pp. 144-147 (2015).
9. N. Albehery and T. Wang, *Estimating poverty measures using truncated distributions and its applications*, International Journal of Inventive Engineering and

33. B. Li, D. Shi, and T. Wang, *Data Mining and Statistical Analysis of Human Interactions*

45. D. Feng, N. T. Nguyen, and T. Wang,

60. C. S. Wong and T. Wang,

8. *The multivariate deatice*

22. *The joint belief function and Shapley value for the joint cooperative game*, presented in The 8th International Conference of the Thailand Econometric Society, Jan. 7-9, 2015.

23.

36. Colloquium Speaker on Distribution of discrete random set and its applications,

62.

74. Research Topic series on *An invitation to heavy tails*

86. *Estimation of poverty measures with real data applications* (with N. Albehery),
"Proceedings of The 11th international Conference on Intelligent Technologies",

99. Colloquium Speaker on *An introduction to data mining procedures*, College of Science, Northwest A and F University, Xian, China, November, 2007.
100. Colloquium Speaker on *A brief introduction to skew normal and other distributions*,

128. IMS Workshop on "Fractals and Dynamical Systems", Chinese University of Hong Kong, Hong Kong, Dec. 4-8, 2000. Presented invited paper *Local dimensions of fractal probability measures associated with the $(0;1;3)$ -problem*.
129. Colloquium Speaker on

141. *Estimation in multivariate elliptically contoured models II*. Presented at Sixth Eugene Lukacs Symposium (on Multivariate Statistical Analysis and Theory of Random Matrices), Bowling Green State University, Bowling Green, Ohio, March, 1996.
142. *Estimation in multivariate elliptically contoured models*. Colloquium, University of Windsor, Windsor, Ontario, Canada, January, 1995.
- 143.

Chairing a session in The Fifth International Conference on Intelligent Technologies, Houston, USA, December 2003.

Chairing a session in The Sixth International Conference on Information and Management Sciences, Lhasa, China, July, 2007.

Chairing a session in The 11th International Conference on Intelligent Technologies, Bangkok, Thailand, December 2010.

Organizer and Committee Chair of "International Workshop on Applied Mathematics and S.9554I

