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CURRICULUM VITAE

Yuan Wang

CONTACT INFORMATION

Assistant Professor
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EDUCATION

2008	BS, Statistics	The University of Science and Technology of China
2013	PhD, Statistics	Colorado State University

PROFESSIONAL EXPERIENCE

2015 – Assistant Professor, Department of Mathematics and Statistics, Washington State University
2013 – 2015 Postdoctoral Fellow, Department of Biostatistics, The University of Texas MD Anderson Cancer Center

PEER REVIEWED PUBLICATIONS

1. **Y. Wang**, J. S. Marron, L. A. Aydin, E. Bullitt and H. Wang (2012). A Nonparametric Regression Model with Tree-structured Response, *Journal of the American Statistical Association*, 107: 1272-1285.
2. **Y. Wang**, H. Wang, and L. L. Scharf (2013). Fusion Inspired Channel Design, Proceedings of International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 5392- 5396.
3. **Y. Wang**, H. Wang, and L. L. Scharf (2013). Scaled Canonical Coordinates for Compression and Transmission of Noisy Sensor Measurements, Proceedings of Asilomar Conference on Signals, Systems, and Computers, 409 - 413.
4. **Y. Wang**, H. Wang, and L. L. Scharf (2014). Optimum Compression of a Noisy Measurement for Transmission over a Noisy Channel, *IEEE Transactions on Signal Processing*, 62: 1279-1289.
5. **Y. Wang**, H. Wang, and L. L. Scharf (2014). The Geometry of Fusion Inspired Channel Design, *Signal Processing*, 99: 136-146.
6. **Y. Wang**, B. P. Hobbs, J. Hu, C. S. Ng, and K. A. Do (2015). Predictive Classification of Correlated Targets with Application to Detection of Metastatic Cancer using Functional CT Imaging, *Biometrics*, 71(3):792-802.
7. **Y. Wang**, B. P. Hobbs, and C. S. Ng (2015). CT Perfusion Characteristics Identify Metastatic Sites in Liver, *BioMed Research International*, 120749.

SUBMITTED FOR PUBLICATION

1. Z. Zhang, **Y. Wang**, E. K. P. Chong, A. Pezeshki, and L. L. Scharf, "Subspace Selection for Projection Maximization with Matroid Constraints," submitted.
2. **Y. Wang**, J. Hu, B. P. Hobbs, C. S. Ng, and K. A. Do. Efficient Estimation for Spatially Correlated Curves," submitted.

WORK IN PROGRESS

1. N. Pham, R. Castillo, E. Castillo, S. Aso, D. Meshkov, B. P. Hobbs, Y. Wang, and Thomas Guerrero. Prospective Assessment of the Pulmonary Metabolic Radiation Response as a Surrogate Biomarker for Radiation Pneumonitis.
2. Y. Wang, K. A. Do, J. Hu, and B. P. Hobbs. Simultaneous Classification of Correlated Curves with Application to Functional CT.
3. N. Chen, Y. Wang, and B. P. Hobbs. Balanced Adaptive Randomization in Presence of Historical Controls.
4. B. P. Hobbs, Y. Wang, and C. S. Ng. Implication of Subsampling in Perfusion Computed Tomography.

5. B. P. Hobbs, Y. Wang, and C. S. Ng. Detection of Adrenocortical Carcinoma using Dynamic Computed Tomography.

COURSE INSTRUCTION

Washington State University

2015 Probability and Statistics

SESSION CHAIR & ORGANIZATION

2015 Chair of invited session, "Use of Biomarker and Genetic Data in Drug Development," International Chinese Statistical Association Joint Applied Statistics Symposium, Fort Collins

2015 Chair of invited session, "Functional Data Analysis in Medical Imaging," National Joint Statistical Meetings/American Statistical Association, Seattle

PRESENTATIONS

Invited Department Seminars

2015 Department of Mathematics, Washington State University

2015 Department of Biostatistics, University of Minnesota

2015 Department of Health Science Research, Mayo Clinic

2015 Department of Economics and Statistics, University of Delaware

2015 Department of Biostatistics, University of Louisville

Conference Presentations

2015 Contributed paper, Eastern North American Region International Biometric Society

2015 Invited paper, International Chinese Statistical Association Applied Statistics Symposium

2014 Contributed paper, National Joint Statistical Meetings/American Statistical Association

2014 Poster, Eastern North American Region International Biometric Society

AWARDS & HONORS

2012 James L., M. Leslie & Edna Madison Memorial Award, Colorado State University

2010 Elmer E. Remmenga Scholarship, Colorado State University

2010 Graybill Award, Colorado State University

PROFESSIONAL ACTIVITIES

Memberships

2009 – American Statistical Association (ASA)

Manuscript referee

2015 *Electronic Journal of Statistics*