

CONTACT
INFORMATION**Email:** guy24@pitt.edu**Phone:** (412) 624-1850**Address:** A746 Public Health, 130 DeSoto Street, Pittsburgh, PA 15261

EDUCATION

University of North Carolina at Chapel Hill (UNC)

- PhD in Statistics, 2016

Nankai University, China

- MS in Statistics, 2011
- BS in Mathematics, 2008

PROFESSIONAL
EXPERIENCE**Associate Professor**

8/2022 - Present

- Department of Biostatistics, University of Pittsburgh (Pitt)

Assistant Professor

7/2016 - 7/2022

- Department of Biostatistics, State University of New York at Buffalo (UB)

Director of Statistical Consulting Lab

7/2019 - 7/2022

- Biostatistics, Epidemiology, and Research Design (BERD) Core of the UB Clinical and Translational Science Institute (CTSI)

Member

6/2017 - 7/2022

- BERD Core of the UB Clinical and Translational Science Institute

Associate Faculty

6/2019 - 7/2022

- UB Institute for Computational and Data Sciences

RESEARCH
INTERESTS

- Statistical Machine Learning
- Multi-modality Data Integration
- Transfer Learning
- Functional Data Analysis
- High-dimensional Statistical Inference
- Cost-constrained Predictive Modeling
- Non-parametric/Semi-parametric Statistics
- Neuroimaging Data Analysis

STATISTICAL
METHODOLOGY
PUBLICATIONS**Note that * denotes corresponding author and † denotes students under my supervision.**

1. Jialu Li, **Guan Yu**, Qizhai Li, and Yufeng Liu (2022). “Sample-Wise Combined Missing Effect Model with Penalization”, *Journal of Computational and Graphical Statistics*, accepted.
2. **Guan Yu*** and Surui Hou† (2022). “Integrative Nearest Neighbor Classifier for Block-missing Multi-modality Data”, *Statistical Methods in Medical Research*, 31(7), 1242-1262.
3. Lingbo Li, Jundong Qiao, **Guan Yu**, Leizhi Wang, Hongyi Li, Chen Liao, and Zhenduo Zhu (2022). “Interpretable Tree-based Ensemble Model for Predicting Beach Water Quality”, *Water Research*, 211, 118078.

4. **Guan Yu**, Haoda Fu, and Yufeng Liu (2022). “High-dimensional Cost-constrained Regression via Non-convex Optimization”, *Technometrics*, 64(1), 52-64.
5. Leizhi Wang, Zhenduo Zhu, Lauren Sassoubre, **Guan Yu**, Chen Liao, Qingfang Hu, and Yintang Wang (2021). “Improving the Robustness of Beach Water Quality Modeling using an Ensemble Machine Learning Approach”, *Science of The Total Environment*, 765, 142760.
6. Yufei Wu[†] and **Guan Yu*** (2020). “Weighted Linear Programming Discriminant Analysis for High-dimensional Binary Classification”, *Statistical Analysis and Data Mining*, 13(5), 437-450.
7. **Guan Yu**, Liang Yin, Shu Lu, Yufeng Liu (2020). “Confidence Intervals for Sparse Penalized Regression with Random Designs”, *Journal of the American Statistical Association*, 115(530), 794-809.
8. **Guan Yu**, Qiefeng Li, Dinggang Shen and Yufeng Liu (2020). “Optimal Sparse Linear Prediction for Block-missing Multi-modality Data without Imputation”, *Journal of the American Statistical Association*, 115(531), 1406-1419.
9. Jianyu Liu, **Guan Yu**, Yufeng Liu (2019). “Graph-based Sparse Linear Discriminant Analysis for High Dimensional Classification”, *Journal of Multivariate Analysis*, 171, 250-269.
10. Vasikan Vijayashanthar, Jundong Qiao, Zhenduo Zhu, Paul Entwistle, and **Guan Yu** (2018). “Modeling Fecal Indicator Bacteria in Urban Waterways using Artificial Neural Networks”, *Journal of Environmental Engineering*, 144(6), 05018003.
11. Junlong Zhao, **Guan Yu**, and Yufeng Liu (2018). “Assessing Robustness of Classification using Angular Breakdown Point”, *The Annals of Statistics*, 46(6B), 3362-3389.
12. **Guan Yu**, Yufeng Liu and Dinggang Shen (2016). “Graph-guided Joint Prediction of Class Label and Clinical Scores for the Alzheimer’s Disease”, *Brain Structure and Function*, 221, 3787-3801.
13. **Guan Yu** and Yufeng Liu (2016). “Sparse Regression Incorporating Graphical Structure among Predictors”, *Journal of the American Statistical Association*, 111, 707-720.
14. **Guan Yu**, Yufeng Liu, Kim-Han Thung and Dinggang Shen (2014). “Multi-task Linear Programming Discriminant Analysis for the Identification of Progressive MCI Individuals”, *PLoS ONE*, 9(5): e96458.
15. Ruizhang Huang, **Guan Yu**, Zhaojun Wang, Jun Zhang and Liangxing Shi (2013). “Dirichlet Process Mixture Model for Document Clustering with Feature Partition”, *IEEE Transactions on Knowledge and Data Engineering*, 25, 1748-1759.
16. **Guan Yu**, Changliang Zou, and Zhaojun Wang (2012). “Outlier Detection in the Functional Observations with Application to Profile Monitoring”, *Technometrics*, 54, 308-318.
17. **Guan Yu**, Ruizhang Huang and Zhaojun Wang (2010). “Document Clustering via Dirichlet Process Mixture Model with Feature Selection”, *The 16th ACM SIGKDD Conference on Knowledge Discovery and Data Mining*, 763-771. (Acceptance rate: 17%)

1. Nagaraja Sridhar, Judy Lambert, Mary Muscarella, Ziqiang Chen, **Guan Yu**, Madan Nanjundegowda, and Mandip Panesar (2022). “Effect of Dialysate Bicarbonate and Sodium on Blood pH in Maintenance Hemodialysis- A Prospective Study”, *Therapeutic Apheresis and Dialysis*, accepted.
2. Jeremy Kiripolsky, Eileen M. Kasperek, Chengsong Zhu, Quan-Zhen Li, Jia Wang, **Guan Yu**, and Jill M. Kramer (2021). “Immune-intrinsic Myd88 Directs the Production of Antibodies with Specificity for Extracellular Matrix Components in Primary Sjogren’s Syndrome”, *Frontiers in Immunology*, 12, 692216.
3. Thikriat Al-Jewair, Simran Marwah, Yufei Wu, and **Guan Yu** (2021). “Correlation between Craniofacial Structures, Anthropometric Measurements, and Nasopharyngeal Dimensions in African Black Adolescents”, *International Orthodontics*, 19(1), 96-106.
4. Jeremy Kiripolsky, Eileen Kasperek, Chensong Zhu, Quan-Zhen Li, Jia Wang, **Guan Yu**, and Jill Kramer (2021). “Tissue-specific activation of Myd88-dependent pathways governs disease severity in primary Sjogren’s syndrome”, *Journal of Autoimmunity*, 118, 102608.
5. Xiaoyan Yan, Xushen Chen, Xiaolin Tian, Yulan Qiu, Jie Wang, **Guan Yu**, Nisha Dong, Jing Feng, Jiabin Xie, Morgan Nalesnik, Ruiyan Niu, Bo Xiao, Guohua Song, Sarah Quinones, and Xuefeng Ren (2021). “Co-exposure to inorganic arsenic and fluoride prominently disrupts gut microbiota equilibrium and induces adverse cardiovascular effects in offspring rats”, *Environment*, 767, 144924.
6. Jeremy Kiripolsky, Rose-Anne Romano, Eileen M. Kasperek, **Guan Yu**, and Jill M. Kramer (2020). “Activation of Myd88-dependent TLRs mediates local and systemic inflammation in a mouse model of primary Sjogren’s syndrome”, *Frontiers in Immunology, section Autoimmune and Autoinflammatory Disorders*, 10, 2963.
7. Chang Liu, Eric Kannisto, **Guan Yu**, Yunchen Yang, Mary E Reid, Santosh K Patnaik, Yun Wu (2020). “Noninvasive detection of exosomal microRNAs via tethered cationic lipoplex nanoparticles (tCLN) biochip for lung cancer early detection”, *Frontiers in Genetics, section Genomic Assay Technology*, 11, 258.
8. Yulan Qiu, Xushen Chen, Xiaoyan Yan, Jie Wang, **Guan Yu**, Wenyan Ma, Bo Xiao, Sarah Quinones, Xiaolin Tian, and Xuefeng Ren (2020). “Gut Microbiota Perturbations and Neurodevelopmental Impacts in Offspring Rats Concurrently Exposure to Inorganic Arsenic and Fluoride”, *Environment International*, 140, 105763.
9. Yunchen Yang, Eric Kannisto, **Guan Yu**, Mary E. Reid, Santosh Patnaik, Yun Wu (2018). “An Immuno-biochip Selectively Captures Tumor-derived Exosomes and Detects Exosomal RNA for Cancer Diagnosis”, *ACS Applied Materials & Interfaces*, 10(50), 43375-43386.
10. Sarah Cairo, Mary Arbuthnot, Laura Boomer, Michael Dingeldein, Alexander Feliz, Samir Gadepalli, Christopher Newton, Pramod Puligandla, Robert Ricca Jr, Peter Rycus, Adam Vogel, **Guan Yu**, Ziqiang Chen, David Rothstein (2018). “Comparing Percutaneous to Open Access for Extracorporeal Membrane Oxygenation in Pediatric Respiratory Failure”, *Pediatric Critical Care Medicine*, 19(10), 981-991.
11. Sarah Cairo, Benjamin Tabak, Loren Berman, Sara Berkelhamer, **Guan Yu**, and David Rothstein (2018). “Mortality after Emergency Abdominal Operations in Premature Infants”, *Journal of Pediatric Surgery*, 53(11), 2105-2111.

12. Sarah Cairo, Timothy Lautz, Beverly Schaefer, **Guan Yu**, Hibbut-ur-Rauf Naseem, and David Rothstein (2018). “Risk Factors for Venous Thromboembolic Events in Pediatric Surgical Patients: Defining Indications for Prophylaxis”, *Journal of Pediatric Surgery*, 53, 1996-2002.
13. Xiaojuan Guo, Xushen Chen, Jie Wang, Zhiyue Liu, Daniel Gaile, Hongmei Wu, **Guan Yu**, Guangyun Mao, Zuopeng Yang, Zhen Di, Xiuqing Guo, Li Cao, Peiye Chang, Binxian Kang, Jinyu Chen, Wen Gao, Xuefeng Ren (2018). “Multi-generational Impacts of Arsenic Exposure on Genome-wide DNA Methylation and the Implications for Arsenic-induced Skin Lesions”, *Environment International*, 119, 250-263.
14. Sharon Hewner, S. Sullivan, and **Guan Yu** (2018). “Reducing Emergency Room Visits and In-hospitalizations by Implementing Best Practice for Transitional Care using Innovative Technology and Big Data”, *Worldviews on Evidence-Based Nursing*, 15(3), 170-177.

HONORS

- **Outstanding Young Researcher Award**¹, The International Chinese Statistical Association (ICSA), 2020
- **Travel Award**, Biometrics Section, American Statistical Association (ASA), 2017
- **Teaching Award**, Department of Statistics and Operations Research, UNC, 2015
- **Student Paper Award**, Statistical Learning and Data Mining Section, ASA, 2015
- **Young Statisticians in Business and Industry Award**, ASA and NISS, 2014
- **Student Paper Award**, Statistical Computing and Graphics Sections, ASA, 2014
- **Cambanis-Hoeffding-Nicholson Award** (top graduate student), UNC, 2012

TEACHING
EXPERIENCE

- **Courses at Pitt**

BIOST2025: Biostatistics Seminar	Fall 2022 - Spring 2023
BIOST2044: Introduction to Statistical Theory 2	Spring 2023

- **Courses at UB**

STA642: Topics in Advanced Modeling	Spring 2018-2022
STA545: Statistical Data Mining I	Fall 2018-2021
STA575: Survival Analysis	Fall 2017
STA782: Departmental Seminar	Fall 2019 - Spring 2020

- **Course at UNC**

STOR151: Introduction to Probability and Statistics	Spring/Fall 2015
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- **Buffalo CTSI Statistical Workshop Series**

Overview of Data Mining Methods	April 2022
Statistical Comparison of Multiple Groups	November 2017/October 2019
Statistical Machine Learning	March 2018/2020
Analysis of Count Data	September 2018
Mixed Models Basics	February 2019

¹The Outstanding Young Researcher Award is presented by the ICSA to young scholar(s) “In recognition of the outstanding research in statistical theory, methodology, and/or applications”. <https://www.icsa.org/awards/outstanding-young-research-award/>

- **UB Winter Institute for Biostatistics**

Analysis of Count Data

December 2018-2019, January 2021

GRADUATE
STUDENTS
SUPERVISION

- **PhD Advisor:** Surui Hou (In progress), Haiyang Sheng (In progress)
- **PhD Committee Member:** Huipei Wang (8/2022), Jiefei Wang (5/2022), Kejia Wang (5/2022), Sahand Hajifar (5/2022), Seth Frndak (5/2022), Lorin Miller (9/2021), Yuxin Ding (1/2020), Xuan Peng (1/2020), Yuqing Xue (1/2020), Zehua Zhou (12/2020), Fan Zhang (1/2019), Yang Chen (1/2018), Yang Yang (6/2018).
- **MS Advisor:** Xinlei Wan (7/2020), Yuan Gao (5/2020), Hua-Hsin Hsiao (5/2020), Yufei Wu (5/2019), Justin Mu (5/2019), Kaifeng Yu (5/2019), Yibo Gu (5/2018), Qimin Yan (8/2018), Yahao Bu (8/2018), Jiangwang Chen (8/2017).
- **MS Committee Member:** Matthew Jehrio (5/2022), Joe Gentile (5/2021), Adam Cunningham (8/2020), Rachael Tylock (8/2020), Wanqing Tian (7/2020), Haiyang Sheng (12/2019), Junyu Nie (10/2019), Yanan Mei (5/2019), Kai Chen (5/2019), Manjit Kaur (8/2018), Zuojun Wu (7/2018), Sindhuja Sridharan (5/2018), Lu Liu (5/2018), Wenyan Ji (5/2018), Tzu Ting Lin (5/2018), Jiefei Wang (3/2018), Suruchi JaiKumar Ahuja (1/2017), Rui Cheng (6/2017), Christy Wong (6/2017), Krithika Krishnan (8/2017).

COMPLETED
RESEARCH
SUPPORT

1. **Air Pollution, Coronary Events and Atherosclerotic Progression in a Susceptible Population**
 - Funding Source: National Institute of Environmental Health Sciences
 - Grant Number: R01ES031986
 - Project Period: 07/21/2021-04/30/2026
 - Direct/Total Costs: \$1,232,564/\$1,559,752
 - PI: Meng Wang
 - Role: Co-Investigator
2. **Implementing personalized cross-sector transitional care management to promote care continuity, reduce low value utilization, and reduce the burden of treatment for high-need, high-cost patients**
 - Funding Source: Agency for Healthcare Research and Quality
 - Grant Number: R01HS028000
 - Project Period: 04/01/2021-03/31/2026
 - Direct/Total Costs: \$1,256,128/\$1,950,923
 - PI: Sharon Hewner
 - Role: Co-Investigator
3. **Analysis of MyD88-mediated immune activation in Sjogren's syndrome pathogenesis**
 - Funding Source: National Institute of Dental and Craniofacial Research
 - Grant Number: R01DE029472
 - Project Period: 04/01/2020-03/31/2025
 - Direct/Total Costs: \$1,250,000/\$1,964,558
 - PI: Jill Kramer
 - Role: Co-Investigator
4. **Effect of Complex Mixtures on Oxidative Stress and Cognition in Children**
 - Funding Source: National Institute of Environmental Health Sciences
 - Grant Number: R01ES031411
 - Project Period: 09/18/2020-06/30/2025

- Direct/Total Costs: \$2,037,985/\$2,803,121
 - PI: Katarzyna Kordas
 - Role: Co-Investigator
5. **Multiparametric photoacoustic and ultrasonic imaging of the breast in cranial-caudal view**
- Funding Source: National Institute of Biomedical Imaging and Bioengineering
 - Grant Number: R01EB029596
 - Project Period: 04/07/2020-12/31/2023
 - Direct/Total Costs: \$1,116,791/\$1,576,743
 - PI: Jun Xia
 - Role: Co-Investigator
6. **Development of photoacoustic tomography for non-invasive, label-free imaging of tissue perfusion in chronic wounds**
- Funding Source: National Institute of Biomedical Imaging and Bioengineering
 - Grant Number: R01EB028978
 - Project Period: 05/15/2021-02/28/2025
 - Direct/Total Costs: \$1,093,974/\$1,643,693
 - PI: Jun Xia
 - Role: Co-Investigator
7. **University of Buffalo Clinical and Translational Science Institute**
- Funding Source: National Center for Advancing Translational Sciences
 - Grant Number: UL1TR001412
 - Project Period: 02/10/2020-12/31/2024
 - Direct/Total Costs: \$15,000,000 /\$22,465,093
 - PI: Timothy Murphy
 - Role: Co-Investigator
8. **Exosome-Protein-microRNA-OneStop (Exo-PROS) biosensor: a new liquid biopsy for cancer screening and early detection**
- Funding Source: National Cancer Institute
 - Grant Number: R21CA235305
 - Project Period: 03/01/2019-02/28/2022
 - Direct/Total Costs: \$372,378/\$565,427
 - PI: Yun Wu
 - Role: Co-Investigator
9. **Analysis of B cell activation by endogenous mediators of inflammation in Sjogren's syndrome**
- Funding Source: National Institute of Dental and Craniofacial Research
 - Grant Number: R21DE027489
 - Project Period: 09/07/2018-08/31/2020
 - Direct/Total Costs: \$275,000/\$431,234
 - PI: Jill Kramer
 - Role: Co-Investigator
10. **Synthetic Biodegradable Zwitterionic Polymers**
- Funding Source: National Institute of Biomedical Imaging and Bioengineering
 - Grant Number: R21EB024095
 - Project Period: 06/01/2017-05/31/2020
 - Direct/Total Costs: \$275,000/\$433,158
 - PI: Chong Cheng and Yun Wu

- Role: Co-Investigator

11. Analysis of the Role of IgM in Sjogren's syndrome

- Funding Source: National Institute of Dental and Craniofacial Research
- Grant Number: R03DE027751
- Project Period: 07/16/2018-06/30/2020
- Direct/Total Costs: \$200,000/\$319,000
- PI: Jill Kramer
- Role: Co-Investigator

12. Noninvasive detection of circulating RNAs for lung cancer early detection and prognosis

- Funding Source: National Cancer Institute
- Grant Number: R33CA191245
- Project Period: 09/01/2015-08/31/2019
- Direct/Total Costs: \$950,746/\$1,279,946
- PI: Yun Wu
- Role: Co-Investigator

13. Mechanisms and Outcomes of MMAsIII induced Alterations in Histone Acetylation

- Funding Source: National Institute of Environmental Health Sciences
- Grant Number: R01ES022629
- Project Period: 08/19/2014-05/31/2018
- Direct/Total Costs: \$900,000/\$1,413,213
- PI: Xuefeng Ren
- Role: Co-Investigator

14. Analysis of MyD88-Mediated Immune Activation in Sjogren's Syndrome Pathogenesis

- Funding Source: National Institute of Dental and Craniofacial Research
- Grant Number: R56DE025218
- Project Period: 09/01/2017-08/31/2018
- Direct/Total Costs: \$235,486/\$357,357
- PI: Jill Kramer
- Role: Co-Investigator

15. Buffalo Clinical and Translational Research Center

- Funding Source: National Center for Advancing Translational Sciences
- Grant Number: UL1TR001412
- Project Period: 08/12/2015-3/31/2019
- Direct/Total Costs: \$9,535,356/\$14,141,688
- PI: Timothy Murphy
- Role: Co-Investigator

PROFESSIONAL
SERVICE

Journal Service

- Early Career Advisory Board Member, *Journal of Multivariate Analysis*²

American Statistical Association Service

- Vice President (2020 - 2022), *ASA Buffalo-Niagara Chapter*

²Journal of Multivariate Analysis forms the Early Career Advisory Board (ECAB) to recognize outstanding early career researchers and engage them in a path towards editorial work. <https://www.journals.elsevier.com/journal-of-multivariate-analysis/editorial-board>

Conference Service

- Organizer of the topic-contributed session, “Recent Advances in Non-parametric Statistical Learning”, Joint Statistical Meeting, Washington DC, 2022.
- Organizer of the invited session, “Statistical Machine Learning in High Dimensional Data”, UP-STAT 2022 Hybrid Conference, Buffalo, 2022.
- Organizer of the invited session, “New Machine Learning Tools for Complex Data”, ICSA Applied Statistics Symposium, Chicago, 2017.
- Organizer of the invited session, “Advances in robust statistical learning”, The 10th International Conference of the ERCIM WG on Computational and Methodological Statistics, London, UK, 2017.
- Student Paper Award Committee, Statistical Learning and Data Science Student Paper Competition, Joint Statistical Meeting, 2021
- Student Paper Award Committee, Statistical Learning and Data Science Student Paper Competition, Joint Statistical Meeting, 2022
- Student Paper Award Committee, UP-STAT 2022 Hybrid Conference, Buffalo, 2022

Journal Referee

- *Biometrics*;
- *Biostatistics*;
- *BMC Medical Research Methodology*;
- *Computational Statistics and Data Analysis*;
- *Electronic Journal of Statistics*;
- *IEEE Signal Processing Letters*;
- *Journal of Applied Statistics*;
- *Journal of Multivariate Analysis*;
- *Journal of Machine Learning Research*;
- *Journal of Nonparametric Statistics*;
- *Journal of Quality Technology*;
- *Journal of Statistical Computation and Simulation*;
- *Journal of the American Statistical Association*;
- *Journal of the Royal Statistical Society: Series B*;
- *Pattern Recognition*;
- *Stat*;
- *Statistical Methods in Medical Research*;
- *Statistics and Probability Letters*;
- *Technometrics*;
- *The Canadian Journal of Statistics*

SERVICE AT UB **University Service**

- Biostatistics Consultation Panel for UB Genome, Environment and Microbiome Pilot Grants (2016)
- Biostatistics Consultation Panel for UB CTSI Pilot Studies (2017-2021)

School Service

- Graduate Academic Actions Committee (2021 - 2022)
- Faculty Council (2019 - 2021)
- Perry Poster Award Committee (2017)

Department Service

- Graduate Student Admissions Committee (2021 - 2022)
- Biostatistics Graduate Curriculum Committee (2018 - 2022)
- Biostatistics PhD Qualifying Exam Committee (2018 - 2022)
- Faculty Hiring Committee (2020)

PRESENTATIONS

- “Locally Weighted Nearest Neighbor Classifier”
 - Joint Statistical Meeting, Baltimore, Washington DC, 8/2022.
 - Department of Statistics and Probability, Michigan State University, 3/2021
 - Department of Mathematics, Statistics and Computer Science, The University of Illinois at Chicago, 4/2021
 - Department of Mathematical Sciences, New Jersey Institute of Technology, 4/2021
- “Supervised Learning for Block-missing Multi-modality Data without Imputation”
 - Department of Statistics and Data Science, Northwestern University, 1/2022
 - Department of Statistics, North Carolina State University, 1/2022
 - Department of Biostatistics, University of Pittsburgh, 12/2021
- “High-dimensional Cost-constrained Regression via Non-convex Optimization”
 - Chinese Academy of Sciences, 11/2020
 - ICOSA China Conference, Tianjin, China, 7/2019
 - Conference on Statistical Learning and Data Science / Nonparametric Statistics, New York City, 6/2018
 - ICOSA Applied Statistics Symposium, New Brunswick, New Jersey, 6/2018
- “Optimal Sparse Linear Prediction for Block-missing Multi-modality Data without Imputation”
 - The 19th Meeting of New Researchers in Statistics and Probability, Johns Hopkins University, 7/2017
 - Joint Statistical Meeting, Baltimore, 8/2017
 - University of Rochester Clinical & Translational Science Institute Analytics Colloquium, 3/2019
- “Sparse Regression for Block Missing Data without Imputation”
 - ICOSA Applied Statistics Symposium, Chicago, IL, 6/2017
- “Multi-task Learning for the Diagnosis of Alzheimer’s Disease”
 - Joint Statistical Meeting, Seattle, WA, 8/2015

- “Sparse Regression Incorporating Graphical Structure among Predictors”
 - Nankai University, Tianjin, China, 5/2015
 - University of North Carolina at Greensboro, Greensboro, NC, 10/2014
 - Statistics and Operations Research Student Colloquium, UNC, 10/2014
 - Joint Statistical Meeting, Boston, MA, 8/2014
 - International Symposium on Business and Industrial Statistics/Conference of the ASA Section on Statistical Learning and Data Mining, Durham, NC, 6/2014
- “Regression for Block-missing Multi-modality Data”
 - Eastern North American Region Meeting, Austin, TX, 3/2016
 - Conference on Statistical Learning and Data Science, Chapel Hill, NC, 6/2016
 - International Conference on Statistical Distributions and Applications, Niagara Falls, Canada, 10/2016
- “Supervised Learning Incorporating Graphical Structure among Predictors”
 - Department of Mathematical Sciences, Binghamton University, 10/2016
 - Department of Statistics, University of Nebraska-Lincoln, 3/2016
 - Department of Statistics, The Chinese University of Hong Kong, 2/2016
 - Department of Statistics, Florida State University, 2/2016
 - Department of Management Science and Statistics, The University of Texas at San Antonio, 2/2016
 - Department of Statistics & Actuarial Science, University of Waterloo, Ontario, Canada, 1/2016
 - Department of Biostatistics, The State University of New York at Buffalo, 1/2016
 - Department of Mathematical Sciences, University of Arkansas, 1/2016
 - Department of Statistics, Virginia Tech, 12/2015
 - Department of Mathematics, Central Michigan University, 11/2015

SKILLS

- Programing Languages: R, SAS, Matlab, C++, Fortran
- Languages: English, Chinese-Mandarin

MEMBERSHIPS

- American Statistical Association
- International Chinese Statistical Association