Email: peng.zhong@kaust.edu.sa **GitHub**: github.com//PangChung **Phone**: (+966) 056 5679141 Website: pangchung.github.io

Education King Abdullah University of Scicence and Technology Saudi Arabia PhD in Statistics 2019 - 2022Advisor: Prof. Raphaël Huser King Abdullah University of Scicence and Technology Saudi Arabia MS in Statistics 2017 - 2018Advisor: Prof. Raphaël Huser Southern University of Science and Technology Shenzhen, China **BA** in Financial Mathematics 2013 - 2017**Honors &** National Encouragement Scholarship (SUSTech) 2015 Establishment of SUSTech Scholarship (SUSTech) **Scholarships** 2013 [1] Peng Zhong, Raphaël Huser, and Thomas Opitz, Modeling non-stationary tempera-**Publications** ture maxima based on extremal dependence changing with event magnitude, Annals of Applied Statistics 16, 272-299, 2022 [2] Peng Zhong, Raphaël Huser, and Thomas Opitz, Exact simulation of max-infinitely divisible processes, accepted in Econometrics and Statistics, 2022 [3] Zhongwei Zhang, Elias Krainski, Peng Zhong, Håvard Rue, and Raphaël Huser, Joint modeling and prediction of massive spatio-temporal wildfire count and burnt area data with the INLA-SPDE approach, Submitted to Extremes [4] Raphaël Huser, Michael Stein, and Peng Zhong, Vecchia likelihood approximation for accurate and fast inference in intractable spatial extremes models, Submitted to Journal of the Royal Statistical Society: Series B [5] **Peng Zhong**, Manuela Brunner, Raphaël Huser, and Thomas Opitz, **Are spatial precipi** tation extremes becoming more intense, wider, or both? An extreme-value statistics perspective, In preparation [6] Yan Gong, Peng Zhong, Raphaël Huser, and Thomas Opitz, Partial tail correlation coefficient, In preparation **Teaching** Teaching Assistant (STAT 250: Stochastic Processes), CEMSE (KAUST) Fall, 2020 **Experience** Grading homework and exams; Giving tutorial; Q & A; Teaching Assistant (Real Analysis), Mathematics (SUSTech) Spring 2017 Grading homework and exams; Q & A; **CSMAR Database** Shenzhen, China Industry **Experience** Data Analyst (Intern) Summer 2016 Data analysis; Data scraping; Present and review literature in Finance; Talks & Posters Talk: Modeling non-stationary temperature maxima based on extremal dependence changing with event magnitude Extreme Value Analysis 2021 (Virtual), UK 6, 2021

Poster: Exact simulation of max-infinitely divisible processes

13th International Workshop on Rare-Event Simulation (Virtual), Paris, France 5, 2021

Talk: Exact simulation of max-infinitely divisible processes

Virtual workshop on "Statistical Estimation and Detection of Extreme Hot Spots, with

Environmental and Ecological Applications", KAUST, Saudi Arabia Talk: Modeling non-stationary temperature maxima based on extremal dependence

changing with event magnitude

Virtual workshop on "Statistical Estimation and Detection of Extreme Hot Spots, with Environmental and Ecological Applications", KAUST, Saudi Arabia 2, 2021 Contributed Talk: Modeling non-stationary temperature extremes with level-dependent extremal dependence

Joint Statistical Meetings (Virtual), USA

8, 2020

Poster: Modeling spatial extremes with max-infinitely divisible models leveldependent extremal dependence

Joint Statistical Meetings, Denver, Colorado, USA

7, 2019

**Selected Courses** Stochastic Processes; Linear Models; Statistics of Extremes; Nonparametric Statistics; Time Series; Bayesian Statistics; Computational Statistics; Data Mining; Big Data Optimization; Advanced Probability; Advanced Simulation;

Skills Programming

R, C++, Python, Pytorch, Shell, Slurm, Singularity.

Other

Latex, Markdown, MS Office.

Languages

Mandarin, English

Professional Journal of Multivariate Analysis Services Reviewer