

Virtual Workshop on Missing Data Challenges in Computation, Statistics and Applications Schedule

Rows highlighted with the same color all use the same zoom meeting/link. You must register for each meeting separately.

Note: Each poster presentation has its own zoom meeting/link for which you must register.

September 8, 2020 : 9am - 12:15pm US Eastern Time

8:30 am – 8:55 am		Conference Lobby virtual room	
9:00 AM		Opening Remarks	
9:15am -10:15 am	Chair: Balzano	Rod Little, Keynote 1	Statistical modeling and missing data
10:20 am -10:40 am		Poster Presentations (10 min talk + 10 min Q&A)	
	Chair: Dumitrascu	Rishi Sonthalia, Unrolling Swiss Cheese: Metric repair on manifolds with holes	
	Chair: Villar	Ariel Jaffe, Spectral methods for recovering latent tree graphical models	
	Chair: Balzano	Kabir Chandrasekher, Imputation for High-Dimensional Linear Regression	
10:40am – 11:00 am	Chair: Balzano	Julie Josse	Supervised learning with missing values
11:05am – 11:25 am	Chair: Dumitrascu	Barbara Englehardt	Missing data in single cell studies: augmentation, integration, and discovery
11:30 am -11:50 am		Poster Presentations (10 min talk + 10 min Q&A)	
	Chair: Cai	Chengrun Yang, Efficient AutoML Pipeline Search with Matrix and Tensor Factorization	
	Chair: Dumitrascu	Changhun Jo, Discrete-valued Preference Estimation with Graph Side Information	
	Chair: Villar	Marjan Hosseini, Hierarchical Bayesian Admixture Modelling of Intron Excision Structure	
11:55- 12: 15pm	Chair: Dumitrascu	Kosuke Imai	Experimental Evaluation of Computer-Assisted Human Decision Making: A Missing Data Approach

September 9, 2020 : 12pm - 3:05pm US Eastern Time

12:00pm – 1:00 pm	Chair: Dumitrascu	David Dunson, Keynote 2	Model-based clustering of high-dimensional data: Pitfalls & solutions
1:05 pm – 1:25 pm		Poster Presentations (10 min talk + 10 min Q&A)	
	Chair: Dumitrascu	Christian Kuemmerle, Unbiased Matrix Completion via Scalable Second-Order Optimization	
	Chair: Aguiar	Andrew McRae, Low-rank matrix completion and denoising under Poisson noise	
1:30pm – 1:50 pm	Chair: Zhang	Grace Yi	Causal inference with binary outcomes subject to both missingness and misclassification
1:55 pm – 2:15 pm	Chair: Zhang	Eric Chi	Co-manifold learning with missing data
2:20pm – 2:40 pm		Poster Presentations (10 min talk + 10 min Q&A)	
	Chair: Dumitrascu	Kyle Gilman, Grassmannian Optimization for Online Tensor Completion and Tracking in the t-SVD Algebra	
	Chair: Villar	Ethan Baker, Power Analysis for Inference of Cellular Community Structure from Sparse Biological Data	
2:45pm- 3:05 pm	Chair: Balzano	Mickey Atwal	Regularization and spurious correlations in sparse single-cell transcriptomes

September 10, 2020 : 12pm - 3:05pm US Eastern Time

12:00pm – 1:00 pm	Chair: Balzano	Rafael Irizarry, Keynote 3	Statistical challenges with single cell RNA-Seq technologies
1:05 pm – 1:25 pm		Poster Presentations (10 min talk + 10 min Q&A)	
	Chair: Balzano	Changxiao Cai, Nonconvex low-rank tensor completion from noisy data	
	Chair: Dumitrascu	Mike Bing, Inference in Interpretable Latent Factor Regression Models	
	Chair: Cai	William Leeb, Missing Data in the High Noise Regime	
1:30 pm – 1:50 pm	Chair: Balzano	Nancy Zhang	Gene expression recovery in single cell transcriptomic data
1:55 pm – 2:15 pm	Chair: Balzano	Sanmi Koyejo	Synthesizing medical images using generative adversarial networks; applications, promises, and pitfalls
2:20 pm – 2:40 pm		Break	
2:45 pm – 3:05pm	Chair: Dumitrascu	Anru Zhang	High-dimensional omics data analysis with missing values

September 11, 2020 : 12pm - 2:20pm US Eastern Time

12:00pm – 1:00 pm	Chair: Dumitrascu	Anna Gilbert, Keynote 4	Metric and manifold repair for missing data
1:05 pm – 1:25 pm		Break	
1:30 pm – 1:50 pm	Chair: Dumitrascu	Mark Davenport	Low-rank matrix recovery from quantized or count observations
2:00pm – 2:20 pm	Chair: Dumitrascu	Laura Balzano	Low Algebraic Dimension Matrix Completion