

Interactions of Statistics and Geometry (ISAG) (14 Feb 2022–18 Feb 2022)

Name and Affiliation	Talk Title
Ming-Yen Cheng Hong Kong Baptist University, China	Testing specification of distribution in stochastic frontier analysis (Video)
Ingrid Daubechies Duke University, USA	Discovering low-dimensional manifolds in high-dimensional data sets (Video)
Ian Dryden Florida International University, USA	Non-parametric regression for networks (Video)
Herbert Edelsbrunner IST Austria, Austria	Distortion, on the average and in expectation (Video)
Benjamin Eltzner Max Planck Institute of Multidisciplinary Sciences, Germany	Testing for uniqueness of estimators (Video)
Aasa Feragen Technical University of Denmark, Denmark	Predicting graphs (Video)
Sungkyu Jung Seoul National University, Korea	Clustering on the torus by conformal prediction (Video)
John Kent University of Leeds, UK	Statistical methods for semi-concentrated data on manifolds (Video)
Kanti Mardia University of Leeds and University of Oxford, UK	Statistics of discrete distributions on manifolds: a journey from the Karl Pearson roulette wheel data to some smart health science data
Steve Marron The University of North Carolina at Chapel Hill, USA	Scaled torus principal component analysis (Video)
Jonathan Mattingly Duke University, USA	CLTs for empirical measures on stratified spaces (Video)
Sayan Mukherjee Duke University, USA	Modeling shapes and fields: a sheaf theoretic perspective (Video)
Hariharan Narayanan Tata Institute of Fundamental Research, India	Fitting a manifold of large reach to noisy data (Video)

Name and Affiliation	Talk Title
Victor M. Panaretos École polytechnique fédérale de Lausanne (EPFL), Switzerland	The completion of covariance kernels (Video)
Wolfgang Polonik University of California, Davis, USA	Topologically penalized regression on manifolds (Video)
Richard Samworth Cambridge University, UK	Optimal subgroup selection (Video)
Christof Schötz Universität Heidelberg, Germany	Strong laws of large numbers for Fréchet mean sets (Video)
Stefan Sommer University of Copenhagen, Denmark	Stochastic shape analysis and probabilistic geometric statistics (Video)
Do Tran Georg-August-Universität Göttingen, Germany	CLT of Fréchet mean and geometry (Video)
Katharine Turner Australian National University, Australia	Computing the extended persistent homology transform of binary images (Video)
Andrew Wood Australian National University, Australia	Score matching for compositional data (Video)
Ming Yuan Columbia University, USA	Spectral learning for high dimensional tensors (Video)