2019 NCTS & Sinica Summer Course: Topics on Mathematical Foundation of Machine Learning

Jun Kitagawa (Michigan State University)
Optimal Transport and Nonlinear Differential Geometry Model for Data Analysis
Time: 10:00-12:00, May 28, 2019   Venue: Rm 440, NCTS

Hsi-Wei Hsieh (The Johns Hopkins University)
Diffeomorphic Matching and Discrete Approximation of Geometric Distributions
Time: :14:00-16:00, June 3, 2019   Venue: Rm 722, Sinica

Yu-Ming Chung (UNC Greensboro)
Topological Data Analysis
Time: 13:30-14:45, June 11 & 13, 2019   Venue: Rm 440, NCTS

Gi-Ren Liu (NCKU)
Scattering Transform, a Novel Harmonic Analysis Model Proposed in 2012 for Understanding Convolutive Neural Network
Time: 13:30-14:45, June 14 & 17, 2019   Venue: Rm 440 & 201, NCTS

Yen-Chi Chen (University of Washington)
Nonparametric Statistics and Geometric Estimation
Time: 10:00-11:15, July 2, 2019   Venue: Rm 440, NCTS

Yuan-Chung Sheu (NCTU)
Hidden Markov Model
Time: 10:00-12:00, July 3, 2019   Venue: Rm 201, NCTS