

KAIST/SNU Joint Workshop on Sparse Data Recovery and its Application to Medical Imaging

Sponsored by the Department of Brain and Cognitive Sciences (WCU), SNU

November 9, 2010 SNU Dental Hospital 807

Sparse Data Recovery 9:40-11:40AM

Professor Youngjo Lee, Dept. of Statistics, SNU
Likelihood approach to large-scale multiple testing

이동환, Dept. of Statistics, SNU
Sparse estimation in partial least squares and PCA

Professor Jong Chul Ye, Dept. of Bio. and Brain Engineering, KAIST
Compressive sensing for bio imaging applications: overview of researches at KAIST

Topological Data Recovery 1:00-3:00PM

Professor Peter T. Kim, Dept. of Math. and Stat., University of Guelph, Canada
Persistent Homology and topological data analysis

Dr. Hyekyoung Lee, Dept. of Nuclear Medicine, and Brain and Cognitive Sciences, SNU
Sparse brain network modeling via Rips filtration.

Seung-Goo Kim, Dept. of Brain and Cognitive Science, SNU
Topological structure recovery from sparse data

Medical Imaging Applications 3:20-6:00PM

이강주, Dept. of Bio. and Brain Engineering, KAIST
Data-driven fMRI analysis using sparse dictionary learning

Dr. Soo Mee Kim, Dept. of Nuclear Medicine, SNU
Compressed Sensing PET Image Reconstruction.

정홍, Dept. of Bio. and Brain Engineering, KAIST
Compressive sensing for dynamic MRI

김종민, Dept. of Bio. and Brain Engineering, KAIST
Multichannel compressive sensing and its applications



sparse brain network



Please contact professor Moo K. Chung
email: mkchung@wisc.edu
tel: 010-6810-2452
for additional information.