

Project Titles from Spring 2015

Inducing semantic proto-roles with Bayesian Hierarchical Clustering

Rachel Rudinger and Drew Reisinger

Decomposing the Neural Response to Visual Stimuli into Discrete States

Kristin Gunnarsdottir, Sandya Subramanian and Linda Xu

Bayesian network structure learning to identify cross-tissue gene expression and regulatory patterns.

Princy Parsana

Effects of environmental factors on gene expression.

Ashis Saha

Joint Word Segmentation and Alignment Model for Machine Translation

Shuoyang Ding, Tongfei Chen, Wei Jiang and Can Zhao

Shape Correspondence via Hierarchical Bayesian Networks

Robert Grupp

Video based Human Activity Recognition

Kunal Saluja and Avigyan Sinha

Diagnosing Schizophrenia using MRI data

Michael Scarlett, Rupali Saboo, Simar Preet Singh

Bike Sharing Demand Prediction

Tianchen Qian, Chenyang Su, Min Xue, Xiaozhou Zhou

Diagnosis of Parkinson's Disease using Accelerometer Data from Smartphones

Kuan Cheng, Qian Ke, Andong Zhan, Zeyu Zhang

Learning Severity of Parkinson's Disease from Smartphone Tests

Andong Zhan, Akshay Srivatsan, Jose Nino Rivera

Learning Aspect Ratings From User Reviews on Yelp

Aileme Omogba, Satya Prateek, Sumit Pawar

Visual Simultaneous Localization and Mapping: Applications to Dense 3D Reconstruction

Tae Soo Kim, Sun Hwy Kim, Joonha Chang, Wenbo Pan

Analyzing Lexical Variations in Social Media with Attribute-Sentiment and Attribute-Emotion Mixture Models

Svitlana Volkova

Deep Learning for Sentiment Analysis

Matthew Hauser, Yating Jing

Stream Selection for Robust Speech Recognition

Phani Sankar Nidasavolu, Ruizhi Li

Spoken Language Understanding Based on Convolutional Neural Network and Triangular CRF

Chunxi Liu, Minhua Wu, Mengtie Hu

RNN Encoder/Decoder in Machine Translation

Haitang Hu

False Positive Detection in RT-qPCR using Logistic Regression and CRF's

Trevor Aron, Nick Phillips

Multiple Constraints Satisfaction by Belief Propagation: Example of Sudoku

Kamel Lehouel

Spoken Word Recognition

Huizhan Lu, Mingyue Gao, Guanyi Wang