MLRec 2017

3rd International Workshop on Machine Learning Methods for Recommender Systems

Apr 29, 2017, Houston Texas, USA

Goals

- To promote the advancement and implementation of new, effective and efficient ML and DM techniques with high translational potential for real and large-scale recommender systems
- To expand the territory of ML-based recommender system research toward non-conventional application areas where recommendation problems largely exist but haven't been fully recognized

Organizers

- Xia Ning, Indiana University – Purdue University Indianapolis (IUPUI)
- Deguang Kong, Yahoo Research
- George Karypis, University of Minnesota, Twin Cities

Invited Talks

- Prof. David F. Gleich, Purdue University

  Deconvolving Feedback Loops in Recommender Systems
- Dr. Suju Rajan, Criteo Research

  Recommender Systems in an Advertising Platform
- Dr. Adith Swaminathan, Microsoft Research

  Building Recommenders and Search Engines by Re-using Logged User Feedback
- Prof. Yisong Yue, California Institute of Technology

  The Dueling Bandits Problem

Paper presentations

- Understanding Consumer Behavior with Recurrent Neural Networks
- Detecting Meaningful Places and Predicting Locations Using Varied K-Means and Hidden Markov Model
- Representation Learning of Users and Items for Review Rating Prediction Using Attention-based Convolutional Neural Network
- Collaborative filtering for Household Load Prediction Given Contextual Information
- Local Sparse Linear Model Ensemble for Top-N Recommendation
- Science Driven Innovations for Mobile Data Science: Theory, Practices and Lessons Learned