Thu Dec 6th

Making Algorithms Trustworthy: What Can Statistical Science Contribute to Transparency, Explanation and Validation?

Thu Dec 6th 08:30 – 09:20 AM @ Rooms 220 CDE
Invited Talk (Breiman Lecture) – In Thu Invited Talk 1
David Spiegelhalter

Coffee Break

Thu Dec 6th 09:20 – 09:45 AM @
Break –

In Thu Track 1 – Session 1

Thu Dec 6th 09:45 – 09:50 AM @ Room 220 CD – Thu Dec 6th 10:40 – 10:45 AM @ Room 220 CD

Learning with SGD and Random Features

Thu Dec 6th 09:45 – 09:50 AM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 1
Luigi Carratino · Alessandro Rudi · Lorenzo Rosasco
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #127

KONG: Kernels for ordered-neighborhood graphs

Thu Dec 6th 09:50 – 09:55 AM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 1
Moez Draief · Konstantin Kutzkov · Kevin Scaman · Milan Vojnovic
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #122

Quadrature-based features for kernel approximation

Thu Dec 6th 09:55 – 10:00 AM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 1
Marina Munkhoeva · Yermek Kapushev · Evgeny Burnaev · Ivan Oseledets
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #130

Statistical and Computational Trade-Offs in Kernel K-Means

Thu Dec 6th 10:00 – 10:05 AM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 1
Daniele Calandriello · Lorenzo Rosasco
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #129

Integrated accounts of behavioral and neuroimaging data using flexible recurrent neural network models

Thu Dec 6th 10:05 – 10:20 AM @ Room 220 CD
Oral – In Thu Track 1 – Session 1
Amir Dezfouli · Richard Morris · Fabio Ramos · Peter Dayan · Bernard Balleine
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #102

Why Is My Classifier Discriminatory?

Thu Dec 6th 10:20 – 10:25 AM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 1
Irene Chen · Fredrik Johansson · David Sontag
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #120

Human-in-the-Loop Interpretability Prior

Thu Dec 6th 10:25 – 10:30 AM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 1
Isaac Lage · Andrew Ross · Samuel J Gershman · Been Kim · Finale Doshi-Velez
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #119

Link Prediction Based on Graph Neural Networks

Thu Dec 6th 10:30 – 10:35 AM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 1
Muhan Zhang · Yixin Chen
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #121

Realistic Evaluation of Deep Semi-Supervised Learning Algorithms

Thu Dec 6th 10:35 – 10:40 AM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 1
Avital Oliver · Augustus Odena · Colin A Raffel · Ekin Dogus Cubuk · Ian Goodfellow
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #95

Automatic differentiation in ML: Where we are and where we should be going

Thu Dec 6th 10:40 – 10:45 AM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 1
Bart van Merrienboer · Olivier Breuleux · Arnaud Bergeron · Pascal Lamblin
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #94

In Thu Track 2 – Session 1

Thu Dec 6th 09:45 – 09:50 AM @ Room 220 E – Thu Dec 6th 10:40 – 10:45 AM @ Room 220 E

Graphical model inference: Sequential Monte Carlo meets deterministic approximations

Thu Dec 6th 09:45 – 09:50 AM @ Room 220 E
Spotlight – In Thu Track 2 – Session 1
Fredrik Lindsten · Jouni Helske · Matti Vihola
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #51

Boosting Black Box Variational Inference

Thu Dec 6th 09:50 – 09:55 AM @ Room 220 E
Spotlight – In Thu Track 2 – Session 1
Francesco Locatello · Gideon Dresdner · Rajiv Khanna · Isabel Valera · Gunnar Raetsch
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #38

Discretely Relaxing Continuous Variables for tractable Variational Inference

Thu Dec 6th 09:55 – 10:00 AM @ Room 220 E
Spotlight – In Thu Track 2 – Session 1
Trefor Evans · Prasanth Nair
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #39

Implicit Reparameterization Gradients

Thu Dec 6th 10:00 – 10:05 AM @ Room 220 E
Spotlight – In Thu Track 2 – Session 1
Mikhail Figurnov · Shakir Mohamed · Andriy Mnih
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #33

Variational Inference with Tail-adaptive f-Divergence

Thu Dec 6th 10:05 – 10:20 AM @ Room 220 E
Oral – In Thu Track 2 – Session 1
Dilin Wang · Hao Liu · Qiang Liu
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #37

Mirrored Langevin Dynamics

Thu Dec 6th 10:20 – 10:25 AM @ Room 220 E
Spotlight – In Thu Track 2 – Session 1
Ya-Ping Hsieh · Ali Kavis · Paul Rolland · Volkan Cevher
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #43

Global Convergence of Langevin Dynamics Based Algorithms for Nonconvex Optimization

Thu Dec 6th 10:25 – 10:30 AM @ Room 220 E
Spotlight – In Thu Track 2 – Session 1
Pan Xu · Jinghui Chen · Difan Zou · Quanquan Gu
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #46

Identification and Estimation of Causal Effects from Dependent Data

Thu Dec 6th 10:30 – 10:35 AM @ Room 220 E
Spotlight – In Thu Track 2 – Session 1
Eli Sherman · Ilya Shpitser
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #13

Causal Inference via Kernel Deviance Measures

Thu Dec 6th 10:35 – 10:40 AM @ Room 220 E
Spotlight – In Thu Track 2 – Session 1
Jovana Mitrovic · Dino Sejdinovic · Yee Whye Teh
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #9

Removing Hidden Confounding by Experimental Grounding

Thu Dec 6th 10:40 – 10:45 AM @ Room 220 E
Spotlight – In Thu Track 2 – Session 1
Nathan Kallus · Aahlad Manas Puli · Uri Shalit
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #2

In Thu Track 3 – Session 1

Thu Dec 6th 09:45 – 09:50 AM @ Room 517 CD – Thu Dec 6th 10:40 – 10:45 AM @ Room 517 CD

Boolean Decision Rules via Column Generation

Thu Dec 6th 09:45 – 09:50 AM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 1
Sanjeeb Dash · Oktay Gunluk · Dennis Wei
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #79

Fast greedy algorithms for dictionary selection with generalized sparsity constraints

Thu Dec 6th 09:50 – 09:55 AM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 1
Kaito Fujii · Tasuku Soma
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #78

Distributed k-Clustering for Data with Heavy Noise

Thu Dec 6th 09:55 – 10:00 AM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 1
Shi Li · Xiangyu Guo
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #73

Do Less, Get More: Streaming Submodular Maximization with Subsampling

Thu Dec 6th 10:00 – 10:05 AM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 1
Moran Feldman · Amin Karbasi · Ehsan Kazemi
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #75

Optimal Algorithms for Continuous Non-monotone Submodular and DR-Submodular Maximization

Thu Dec 6th 10:05 – 10:20 AM @ Room 517 CD
Oral – In Thu Track 3 – Session 1
Rad Niazadeh · Tim Roughgarden · Joshua Wang
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 #76

Overlapping Clustering Models, and One (class) SVM to Bind Them All

Thu Dec 6th 10:20 – 10:25 AM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 1
Xueyu Mao · Purnamrita Sarkar · Deepayan Chakrabarti
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #114

Removing the Feature Correlation Effect of Multiplicative Noise

Thu Dec 6th 10:25 – 10:30 AM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 1
Zijun Zhang · Yining Zhang · Zongpeng Li
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #107

Connectionist Temporal Classification with Maximum Entropy Regularization

Thu Dec 6th 10:30 – 10:35 AM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 1
Hu Liu · Sheng Jin · Changshui Zhang
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #106

Entropy and mutual information in models of deep neural networks

Thu Dec 6th 10:35 – 10:40 AM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 1
Marylou Gabri? · Andre Manoel · Cl?ment Luneau · jean barbier · Nicolas Macris · Florent Krzakala · Lenka Zdeborov?
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #110

The committee machine: Computational to statistical gaps in learning a two-layers neural network

Thu Dec 6th 10:40 – 10:45 AM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 1
Benjamin Aubin · Antoine Maillard · jean barbier · Florent Krzakala · Nicolas Macris · Lenka Zdeborov?
Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 517 AB #111

Designing Computer Systems for Software 2.0

Thu Dec 6th 02:15 – 03:05 PM @ Rooms 220 CDE
Invited Talk – In Thu Invited Talk 2
Kunle Olukotun

Coffee Break

Thu Dec 6th 03:05 – 03:30 PM @
Break –

In Thu Track 1 – Session 2

Thu Dec 6th 03:30 – 03:35 PM @ Room 220 CD – Thu Dec 6th 04:55 – 05:00 PM @ Room 220 CD

Robust Subspace Approximation in a Stream

Thu Dec 6th 03:30 – 03:35 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Roie Levin · Anish Prasad Sevekari · David Woodruff
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #48

Efficient nonmyopic batch active search

Thu Dec 6th 03:35 – 03:40 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Shali Jiang · Gustavo Malkomes · Matthew Abbott · Benjamin Moseley · Roman Garnett
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #131

Interactive Structure Learning with Structural Query-by-Committee

Thu Dec 6th 03:40 – 03:45 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Christopher Tosh · Sanjoy Dasgupta
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #130

Contour location via entropy reduction leveraging multiple information sources

Thu Dec 6th 03:45 – 03:50 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Alexandre Marques · Remi Lam · Karen Willcox
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #99

Sample-Efficient Reinforcement Learning with Stochastic Ensemble Value Expansion

Thu Dec 6th 03:50 – 04:05 PM @ Room 220 CD
Oral – In Thu Track 1 – Session 2
Jacob Buckman · Danijar Hafner · George Tucker · Eugene Brevdo · Honglak Lee
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #167

Policy-Conditioned Uncertainty Sets for Robust Markov Decision Processes

Thu Dec 6th 04:05 – 04:10 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Andrea Tirinzoni · Marek Petrik · Xiangli Chen · Brian Ziebart
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #168

Learning convex bounds for linear quadratic control policy synthesis

Thu Dec 6th 04:10 – 04:15 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Jack Umenberger · Thomas Sch?n
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #166

Multiple-Step Greedy Policies in Approximate and Online Reinforcement Learning

Thu Dec 6th 04:15 – 04:20 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Yonathan Efroni · Gal Dalal · Bruno Scherrer · Shie Mannor
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #164

Deep Reinforcement Learning in a Handful of Trials using Probabilistic Dynamics Models

Thu Dec 6th 04:20 – 04:25 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Kurtland Chua · Roberto Calandra · Rowan McAllister · Sergey Levine
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #165

Non-delusional Q-learning and value-iteration

Thu Dec 6th 04:25 – 04:40 PM @ Room 220 CD
Oral – In Thu Track 1 – Session 2
Tyler Lu · Dale Schuurmans · Craig Boutilier
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #162

Bilevel learning of the Group Lasso structure

Thu Dec 6th 04:40 – 04:45 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Jordan Frecon · Saverio Salzo · Massimiliano Pontil
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #92

Binary Classification from Positive-Confidence Data

Thu Dec 6th 04:45 – 04:50 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Takashi Ishida · Gang Niu · Masashi Sugiyama
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #97

Fully Understanding The Hashing Trick

Thu Dec 6th 04:50 – 04:55 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Lior Kamma · Casper B. Freksen · Kasper Green Larsen
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #90

Support Recovery for Orthogonal Matching Pursuit: Upper and Lower bounds

Thu Dec 6th 04:55 – 05:00 PM @ Room 220 CD
Spotlight – In Thu Track 1 – Session 2
Raghav Somani · Chirag Gupta · Prateek Jain · Praneeth Netrapalli
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #63

In Thu Track 2 – Session 2

Thu Dec 6th 03:30 – 03:35 PM @ Room 220 E – Thu Dec 6th 04:55 – 05:00 PM @ Room 220 E

Hyperbolic Neural Networks

Thu Dec 6th 03:30 – 03:35 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Octavian Ganea · Gary Becigneul · Thomas Hofmann
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #29

Norm matters: efficient and accurate normalization schemes in deep networks

Thu Dec 6th 03:35 – 03:40 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Elad Hoffer · Ron Banner · Itay Golan · Daniel Soudry
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #27

Constructing Fast Network through Deconstruction of Convolution

Thu Dec 6th 03:40 – 03:45 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Yunho Jeon · Junmo Kim
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #22

A Simple Unified Framework for Detecting Out-of-Distribution Samples and Adversarial Attacks

Thu Dec 6th 03:45 – 03:50 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Kimin Lee · Kibok Lee · Honglak Lee · Jinwoo Shin
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #30

Discovery of Latent 3D Keypoints via End-to-end Geometric Reasoning

Thu Dec 6th 03:50 – 04:05 PM @ Room 220 E
Oral – In Thu Track 2 – Session 2
Supasorn Suwajanakorn · Noah Snavely · Jonathan Tompson · Mohammad Norouzi
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #33

Learning Libraries of Subroutines for Neurally{Guided Bayesian Program Induction

Thu Dec 6th 04:05 – 04:10 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Kevin Ellis · Lucas Morales · Mathias Sabl?-Meyer · Armando Solar-Lezama · Josh Tenenbaum
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #24

Learning Loop Invariants for Program Verification

Thu Dec 6th 04:10 – 04:15 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Xujie Si · Hanjun Dai · Mukund Raghothaman · Mayur Naik · Le Song
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #23

DeepProbLog: Neural Probabilistic Logic Programming

Thu Dec 6th 04:15 – 04:20 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Robin Manhaeve · Sebastijan Dumancic · Angelika Kimmig · Thomas Demeester · Luc De Raedt
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #118

Learning to Infer Graphics Programs from Hand-Drawn Images

Thu Dec 6th 04:20 – 04:25 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Kevin Ellis · Daniel Ritchie · Armando Solar-Lezama · Josh Tenenbaum
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #25

Learning to Reconstruct Shapes from Unseen Classes

Thu Dec 6th 04:25 – 04:40 PM @ Room 220 E
Oral – In Thu Track 2 – Session 2
Xiuming Zhang · Zhoutong Zhang · Chengkai Zhang · Josh Tenenbaum · Bill Freeman · Jiajun Wu
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #34

Improving Neural Program Synthesis with Inferred Execution Traces

Thu Dec 6th 04:40 – 04:45 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Richard Shin · Illia Polosukhin · Dawn Song
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #31

ResNet with one-neuron hidden layers is a Universal Approximator

Thu Dec 6th 04:45 – 04:50 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Hongzhou Lin · Stefanie Jegelka
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #28

Towards Understanding Learning Representations: To What Extent Do Different Neural Networks Learn the Same Representation

Thu Dec 6th 04:50 – 04:55 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Liwei Wang · Lunjia Hu · Jiayuan Gu · Zhiqiang Hu · Yue Wu · Kun
He · John Hopcroft
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #26

**Generalized Cross Entropy Loss for Training Deep Neural
Networks with Noisy Labels**

Thu Dec 6th 04:55 – 05:00 PM @ Room 220 E
Spotlight – In Thu Track 2 – Session 2
Zhilu Zhang · Mert Sabuncu
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 517 AB #101

In Thu Track 3 – Session 2

**Thu Dec 6th 03:30 – 03:35 PM @ Room 517 CD – Thu Dec
6th 04:55 – 05:00 PM @ Room 517 CD**

**A Simple Proximal Stochastic Gradient Method for Nonsmooth
Nonconvex Optimization**

Thu Dec 6th 03:30 – 03:35 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Zhize Li · Jian Li
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #5

Stochastic Chebyshev Gradient Descent for Spectral Optimization

Thu Dec 6th 03:35 – 03:40 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Insu Han · Haim Avron · Jinwoo Shin
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #6

**LAG: Lazily Aggregated Gradient for Communication-Efficient
Distributed Learning**

Thu Dec 6th 03:40 – 03:45 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Tianyi Chen · Georgios Giannakis · Tao Sun · Wotao Yin
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #8

**Low-rank Interaction with Sparse Additive Effects Model for
Large Data Frames**

Thu Dec 6th 03:45 – 03:50 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Genevi?ve Robin · Hoi-To Wai · Julie Josse · Olga Klopp · Eric
Moulines
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #87

**Optimal Algorithms for Non-Smooth Distributed Optimization in
Networks**

Thu Dec 6th 03:50 – 04:05 PM @ Room 517 CD
Oral – In Thu Track 3 – Session 2
Kevin Scaman · Francis Bach · Sebastien Bubeck · Laurent Massouli? · Yin Tat Lee
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #10

Direct Runge-Kutta Discretization Achieves Acceleration

Thu Dec 6th 04:05 – 04:10 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Jingzhao Zhang · Aryan Mokhtari · Suvrit Sra · Ali Jadbabaie
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #9

**Limited Memory Kelley's Method Converges for Composite Convex
and Submodular Objectives**

Thu Dec 6th 04:10 – 04:15 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Song Zhou · Swati Gupta · Madeleine Udell
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #16

(Probably) Concave Graph Matching

Thu Dec 6th 04:15 – 04:20 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Haggai Maron · Yaron Lipman
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #12

**Graph Oracle Models, Lower Bounds, and Gaps for Parallel
Stochastic Optimization**

Thu Dec 6th 04:20 – 04:25 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Blake Woodworth · Jialei Wang · Adam Smith · Brendan McMahan
· Nati Srebro
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #11

**Smoothed analysis of the low-rank approach for smooth
semidefinite programs**

Thu Dec 6th 04:25 – 04:40 PM @ Room 517 CD
Oral – In Thu Track 3 – Session 2
Thomas Pumir · Samy Jelassi · Nicolas Boumal
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #3

Wasserstein Distributionally Robust Kalman Filtering

Thu Dec 6th 04:40 – 04:45 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Soroosh Shafieezadeh Abadeh · Viet Anh Nguyen · Daniel Kuhn ·
Peyman Mohajerin Esfahani
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #14

**Decentralize and Randomize: Faster Algorithm for Wasserstein
Barycenters**

Thu Dec 6th 04:45 – 04:50 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Pavel Dvurechenskii · Darina Dvinskikh · Alexander Gasnikov · Cesar Uribe · Angelia Nedich
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #15

Robust Hypothesis Testing Using Wasserstein Uncertainty Sets

Thu Dec 6th 04:50 – 04:55 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
RUI GAO · Liyan Xie · Yao Xie · Huan Xu
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #2

**Convergence of Cubic Regularization for Nonconvex Optimization
under KL Property**

Thu Dec 6th 04:55 – 05:00 PM @ Room 517 CD
Spotlight – In Thu Track 3 – Session 2
Yi Zhou · Zhe Wang · Yingbin Liang
Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 #4

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