

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 210 & 230 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 210 & 230 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 210 & 230 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 210 & 230 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 210 & 230 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 210 & 230 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 210 & 230 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 210 & 230 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 & 230 AB #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 Merriënboer · Olivier Breuleux · Arnaud Bergeron · Pascal Lamblin

Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 210 & 230 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 210 & 230 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 210 & 230 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 · Clément Luneau · jean barbier · Nicolas Macris · Florent Krzakala · Lenka Zdeborov?
 Poster Thu Dec 6th 10:45 AM – 12:45 PM @ Room 210 & 230 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 210 & 230 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 & 230 AB #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 210 & 230 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 210 & 230 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 & 230 AB #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 210 & 230 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 210 & 230 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 210 & 230 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 210 & 230 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 210 & 230 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 210 & 230 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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 Snaveley · Jonathan Tompson · Mohammad Norouzi
 Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 & 230 AB #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 & 230 AB #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 & 230 AB #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 210 & 230 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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 210 & 230 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 & 230 AB #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 & 230 AB #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 & 230 AB #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
 Genevieve Robin · Hoi-To Wai · Julie Josse · Olga Klopp · Eric Moulines
 Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 & 230 AB #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 Massoulié · Yin Tat Lee
 Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 Purnir · Samy Jelassi · Nicolas Boumal
 Poster Thu Dec 6th 05:00 – 07:00 PM @ Room 210 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #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 & 230 AB #4