POSTER SESSION PRESENTATIONS

Apaar Sadhwani	Deep Learning for Mortgage Risk
Adam S. Backer	Enhanced DNA imaging using super-resolution microscopy and simultaneous single-molecule orientation measurements
Aekaansh Verma	Automated Optimization For Flow Simulations In Cardiovascular Geometries
Alfredo Lainez and Luke de Oliveira	Recurrent Convolutional Architectures for Generic Text Classification
Anil Damle	Sparse representations and fast algorithms for Kohn-Sham orbitals
Austin Benson	The Spacey Random Walk for Higher-order Data Analysis
Brad Nelson	Klein Bottle Models for Image Patches
Carlos Riquelme	Online Active Linear Regression via Thresholding
Celso Ferreira, Sergio Maldonado Villanueva, and Simone Marras	Understanding the Protective Role of Coastal Ecosystems
Chao Chen	Massively parallel hierarchical linear solvers
Daniele Schiavazzi	Assimilation and propagation of clinical data uncertainty in cardiovascular modeling
Danielle Maddix	Sparse Matrix Vector Multiplication Using the Merge Path
Dave Deriso	Inverse Approximations for Electrocardiography
Dustin Gerrard	Topology Optimization of Thermo-Elastically Damped MEMS Resonators
Edward Schmerling	Evaluating Trajectory Collision Probability through Adaptive Importance Sampling for Safe Motion Planning
Eileen Martin	Dirt cheap surveys: near-surface monitoring with ambient seismic noise collected by DAS
Fayadhoi Ibrahima	An efficient distribution method for nonlinear transport problems in highly heterogeneous multidimensional stochastic porous media
Gabriel Maher	Cardiovascular Edge Detection for Efficient Segmentation for Patient-Specific Modeling
Gianluca Geraci	A multifidelity control variate approach for the multilevel Monte Carlo technique
Henry Ehrenberg, Alex Ratner, Chris De Sa, Professor Chris Ré, and other members of HAZY	Data Programming with DDLite
Hongyang Zhang	Approximate Personalized PageRank on Dynamic Graphs
Hongzhi Lan	SimVascular: an Open Source Pipeline for Image-Based Cardiovascular Simulation
Jiyan Yang and Peng Xu	Sub-sampled Newton Methods with Non-uniform Sampling
Joongyeub Yeo	Risk control of mean-reversion time in statistical arbitrage
Justin Tran	A Framework for Automated Tuning and Uncertainty Quantification in Multiscale Coronary Flow Simulations
Karianne Bergen	Unsupervised Approaches for Post-Processing in Computationally Efficient Waveform-Similarity-Based Earthquake Detection

POSTER SESSION PRESENTATIONS

Lan Huong Nguyen	Methods for Differential Abundance Estimation for Microbiome Data
Leopold Cambier and Damien Scieur	FAST, an SDDP Toolbox for Matlab
Lluis Jofre	Toward Simultaneous Execution of Ensemble Computations: exploratory analysis on elliptic PDEs
Matthew J. Zahr	Efficient PDE-Constrained Optimization using Adaptive Model Reduction
Matthias Cremon	SPE Comparative Solution Project 11: Optimization of Net Present Value Under Uncertainty
Nick Henderson	Thread Divergence in a GPU Monte Carlo Radiotherapy Simulator
Nick Henderson, Ding Ma, Yuekai Sun, and Professor Michael Saunders	Conservation analysis of genome-scale biochemical networks
Raphael Townshend	Deep Learning on Protein Complexes
Ron Estrin	From QR Factorization to Wireless Communication
Sergio Camelo	Nearest neighbors methods for support vector machines
Sven Schmit, Carlos Riquelme, Vijay Kamble and Professor Ramesh Johari	Human interaction with recommendation systems
Timothy Anderson	Efficient Brain MRI Segmentation for 3D Printing Applications
Tim Moon	Accelerating Eigenvector Computation Using Blocked Multi-shift Triangular Solves
Victor Minden, Anil Damle, Ken L. Ho, and Professor Lexing Ying	Fast spatial Gaussian process maximum likelihood estimation via skeletonization factorizations
Xiaotong Suo	Time series forecasting from historical data
Yi-Chun Chen	Learning Discrete Bayesian Networks from Continuous Data
Yinbin Ma	Time-lapse full-waveform inversion in acoustic media
Yingzhou Li, Haizhao Yang, Eileen Martin, Kenneth Ho, and Professor Lexing Ying	Butterfly Factorization