Gauri Jagatap

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lowa State Uni	ivarcity
GRADUATE CO	DURSES
DEC 2017	Midwest Machine Learning Symposium (MMLS) 2017. G. Jagatap and C. Hegde, "Phase retrieval using structured sparsity: A sample efficient algorithmic framework", Women in Machine Learning (WiML) 2017 Workshop.
Jun 2017	G. Jagatap and C. Hegde, "Fast and sample-efficient algorithms for structured phase retrieval",
Workshops	and Symposia
FEB 2018	G. Jagatap, Z. Chen, C. Hegde and N. Vaswani, "Model corrected low rank ptychography", 2018. (Paper).
Jan 2018	G. Jagatap and C. Hegde, "Towards sample-optimal methods for solving random quadratic equation with structure", 2018. (Paper).
Under review	C. La matern and C. Handa "Tournella compile antimal model of the salating model of the
ARTICLES	(apor).
Apr 2018	Z. Chen, G. Jagatap , S. Nayer, C. Hegde and N. Vaswani, "Low rank Fourier ptychography", to appear International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2018. (Paper).
	Processing (ICASSP), 2018 (Oral presentation). (Paper).
Apr 2018	G. Jagatap , Z. Chen, C. Hegde and N. Vaswani, "Sub-diffraction imaging using Fourier ptychography and structured sparsity", to appear, International Conference on Acoustics, Speech, and Signal
DEC 2017	G. Jagatap and C. Hegde, "Fast, sample-efficient algorithms for structured phase retrieval", Advance in Neural Information Processing Systems (NIPS), pp. 4922-4932, 2017. (Acceptance rate: 20.93%). (Paper).
Conference	PROCEEDINGS
Nov 2017	G. Jagatap and C. Hegde, "Sample-efficient algorithms for recovering structured signals from magnitude-only measurements", <i>under review</i> , IEEE Transactions on Information Theory . (Paper).
Journal art	
Aug 2015	Low rank and sparse decomposition of compressively sensed video via Alternating Directions Method of Multipliers (ADMM
-	Axial super-resolution of ultrasound images using compressed sensing.
Jul 2015 -Jul 2016	Advisor: Dr. Chandra Sekhar Seelamantula
lu 2015	Phase retrieval using structured sparsity: utilizing underlying structure (such as block and tree sparsities) in signal data to develop fast and sample efficient algorithms for solving absolute-valued inverse problems. Formulated and analyzed bounds on the number of sample points required for invertibility. Analyzed convergence criterion and running time of the algorithm. Applications to sub-diffractive super-resolution imaging. Project Assistant at Indian Institute of Science, Bengaluru, India
-Present	Advisor: Dr. Chinmay Hegde
AUG 2016	PhD student at Iowa State University
RESEARCH	mg, sactistical tearning, tearning meory, Algorithms, signal frocessing, optimization
	ing, Statistical Learning, Learning Theory, Algorithms, Signal Processing, Optimization
RESEARCH IN	on, C, TensorFlow
DDOCDANANI	BITS Pilani University, India (GPA: 8.69/10) NG LANGUAGES AND FRAMEWORKS
-MAY 2015	Master of Science (Hons.) in Physics
Aug 2010	Bachelor of Engineering (Hons.) in Electrical and Electronics Engineering
AUG 2016 -Present	Doctor of Philosophy (PhD) in Electrical Engineering lowa State University (GPA: 3.88/4)
	Doctor of Philosophy (PhD) in FURCIDICAL FAIGURED VIC
EDUCATION	gauri@iastate.edu (515) 708-4938 gaurijagatap.github.io

Data Analytics for ECpE, Deep Machine Learning, Statistical Machine Learning, Convex Optimization, Nonlinear Programming, Detection and Estimation Theory, Theory of Probability and Statistics, Applied Linear Algebra

GRADUATE COURSE PROJECTS

MAY 2017	Sparse PCA using truncated and inverse power methods for topic extraction from textual database,
MAY 2017	EE 525, Iowa State University
MAY 2017	Non-negative matrix factorization using orthogonal gradient method and successive projection method for topic extraction from textual database, IE 631, Iowa State University

SCHOLARSHIPS AND AWARDS

Ост 2017	Student Travel Award for NIPS 2017
Nov 2017	WiML 2017 Travel Grant
Aug 2016 -	Research Assistant, Iowa State University
2011 - 15	INSPIRE Scholarship, Department of Science and Technology, Govt. of India

TEACHING ASSISTANTSHIPS

SPRING 2018	EE 525:DATA ANALYTICS IN ELECTRICAL & COMPUTER ENG, lowa State University
SPRING 2014	BITS C386:QUANTUM INFORMATION & COMPUTING, BITS Pilani University
FALL 2012	PHY F110:PHYSICS LABORATORY, BITS Pilani University

REVIEWING

IEEE Transactions on Signal Processing (TSP), 2018. International Conference on Signal Processing and Communications (SPCOM), 2018. Women in Machine Learning (WiML) Workshop, 2017.

PROFESSIONAL ACTIVITIES

Event coordinator, Data Science Reading Group, Iowa State University.

updated on March 6, 2018