Yining (Nick) Feng

CONTACT INFORMATION	154 Adelphi St. A Brooklyn, NY 112	_	607-761-3571 yf889@nyu.edu	
EDUCATION	Tandon School of Engineering, New York University			
	Ph.D. in Electrical Engineering, From May 2018			
	• Advisor: Prof. Ivan Selesnick, Prof. Debra Laefer M.S. in Electrical Engineering, December 2016			
	 Thesis Topic: Multi-Scale Overlapping Sparse Low-Rank Matrix Estimation Advisor: Prof. Ivan Selesnick 			
	Binghamton University, State University of New York			
	M.B.A. in Finance, December 2014			
	B.S. in Electrical Engineering, May 2013			
	• Cum Laude, Tau Beta Pi Engineering Society			
Publications	Y. Feng, B. Ding, H. Graber, and I. Selesnick, <i>Transient Artifacts Suppression in Time Series via Convex Analysis</i> , Springer Nature, Emerging Trends in Signal Processing in Medicine and Biology (2019).			
	Y. Feng, H. Graber, and I. Selesnick, <i>The Suppression of Transient Artifacts in Time Series via Convex Analysis</i> , IEEE Signal Processing in Medicine and Biology Symposium (2018).			
	S. Wang, I. Selesnick, G. Cai, Y. Feng, X. Sui, and X. Chen, <i>Nonconvex Sparse Regularization and Convex Optimization for Bearing Fault Diagnosis</i> , IEEE Transactions on Industrial Electronics, 65, (2018), no. 9, 7332-7342.			
RESEARCH PROJECTS	7.2018 – Present @ NYU	Non-Convex Optimizati PI: Prof. Ivan Selesnich		
	7.2018 – Present @ NYU	Tight Convex Norm Destant Signals PI: Prof. Ivan Selesnich	esign for Sparse + Piecewise Con- k, ECE.	
	3.2018 – Present @ NYU	Generalized Fused Lass Application: Transient Art tion and Amplitude & Pha PI: Prof. Ivan Selesnich	ifact Suppression, Sleep Spindle Detecse Shift-Keying.	
	2.2017 – Present @ NYU	Application: LiDAR Point Least Square.	Processing (NSF OAC1940145) Cloud Denoising with Directional Total c, Center for Urban Science and Progress ck, ECE.	
	12.2018 – 6.2019 @ NYU	lope PIs: Prof. Ivan Selesnic	cion via Generalized Moreau Enveck, ECE. i, Math & CS, CUNY.	

	5.2016 – 12.2016 @ NYU	Multi-Scale Overlapping Sparse Low-Rank Matrix Estimation PI: Prof. Ivan Selesnick, ECE.	
	1.2016 – 4.2016 @ NYU	Sparse Diagonally-Oriented DCT-like 2D Dictionary PI: Prof. Ivan Selesnick, ECE.	
TEACHING	9.2018 – 12.2018 @ NYU	Teaching Assistant for <i>Digital Signal Processing</i> . Instructor: Prof. Thomas Marzetta, ECE. Prof. Yao Wang, ECE.	
SERVICE	5.2019 – Present	$\label{thm:condition} \mbox{Union Steward for $Graduate Student Organizing Committee}.$	
	2.2019 – Present	Reviewer for Journal of Photogrammetry and Remote Sensing.	
	8.2019 - 9.2019	Reviewer for IEEE Signal Processing in Medicine and Biology Symposium 2019.	
	1.2019 - 2.2019	Reviewer for International Conference on Acoustics, Speech, and Signal Processing 2019.	
OTHERS	Research Interests:	Convex Analysis, Non-convex Optimization, Numerical and Fast Algorithm, Sparse Signal Models and Optimization, Image and Medical Image Processing.	
	Languages:	English, Mandarin	
	Coding:	Matlab (proficient), Python	
REFERENCES	Ivan Selesnick, Professor, Tandon School of Engineering, New York University, 646-997-3416, selesi@nyu.edu		
	Debra Laefer, Professor, Center for Urban Science and Progress, New York Univer-		

sity,

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