

Wenhao Wu

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OBJECTIVE	A postdoc position in Wireless Communications.		
EDUCATION	<i>Ph.D. Candidate in Electrical and Computer Engineering</i>	2012 - 2017 (expected)	
	University of California, Davis, Davis, CA Advisor: Prof. Zhi Ding Cumulative GPA: 3.95 Minor: Mathematics		
	<i>B.S. in Electrical Engineering</i>	2008 - 2012	
	Tsinghua University, Beijing, China		
SELECTED PUBLICATIONS	<div><div>[1] W. Wu, Z. Ding, "On Efficient Packet Switched Wireless Networking: A Markovian Approach to Trans-layer Design and Optimization of ROHC", <i>IEEE Trans. Wireless Commun.</i>, submitted for publication.</div><div>[2] W. Wu, H. Mittelmann and Z. Ding, "Modulation Design for MIMO-CoMP HARQ", <i>IEEE Commun. Lett.</i>, to be published.</div><div>[3] W. Wu, H. Mittelmann and Z. Ding, "Modulation Design for Two-Way Amplify-and-Forward Relay HARQ," <i>IEEE Wireless Commun. Lett.</i>, vol. 5, no. 3, pp. 244-247, June 2016.</div><div>[4] W. Wu, H. Mittelmann, and Z. Ding, "Statistical analysis of a posteriori channel and noise distribution based on HARQ feedback, preprint: arXiv:1601.04131v1, 2016.</div><div>[5] W. Wu, K. Wang, W. Zeng, Z. Ding, and C. Xiao, "Cooperative multi-cell MIMO downlink precoding with finite-alphabet inputs," <i>IEEE Trans. Commun.</i>, vol. 63, no. 3, pp. 766-779, Mar. 2015.</div><div>[6] W. Wu, K. Wang, Z. Ding, and C. Xiao, "Cooperative multi-cell MIMO downlink precoding for finite-alphabet inputs," in <i>IEEE Proc. Int. Conf. Acoust., Speech, Signal Process.</i>, May 2014, pp. 464-468.</div></div>		
TECHNICAL SKILLS	<div><div>• Wireless Communication, Signal Processing, Statistical Learning.</div><div>• Java, Python, C/C++, Matlab/GNU Octave, R.</div><div>• Experience with HTML, XML, JavaScript, D3, CSS and SQL.</div><div>• Basic Linux system administration.</div></div>		
EXPERIENCE	<i>Core Engineer Intern</i>	07/2014 - 09/2014	
	Range Networks, San Francisco, CA. Supervisor: James Peroulas.		
	<i>Teaching Assistant</i>	01/2013 - 04/2013	
	EEC 180A Digital Systems, Dept. ECE, UC Davis. Supervisor: Prof. Bevan Baas.		

COURSE PROJECTS	NYC Taxi Data Pickup Prediction (STA 208)	06/2016
	• https://github.com/huragok/STA208/tree/master/project .	
	Inferring the Night Life Hotspot in NYC from Taxi Trip Data (MAT 280)	06/2016
	• https://github.com/huragok/MAT280/tree/master/project .	
	A Partial Solution Manual for: The Elements of Statistical Learning	01/2016
	• https://github.com/huragok/IDA .	
WEBSITES	Data Visualization on Community Detection of Facebook Data (STA 242)	06/2015
	• https://github.com/huragok/STA242Project .	
	An Introduction to Algebraic Multigrid (MAT 228C)	06/2013
	• https://github.com/huragok/MAT228C .	
	Wireless Local Area Network Received Signal Strength Based Indoor Localization And Tracking Algorithms Using Field Data (ECS 257)	03/2013
	• https://github.com/huragok/ECS257 .	
HONORS & AWARDS	• LinkedIn: https://www.linkedin.com/in/wenhao-wu-0ab2494b	
	• Github: https://github.com/huragok	
	Third-class Excellent Social Service Scholarship, Tsinghua University.	10/2011
	Honor of Excellent Leader of the Student Association for Science and Technology, Tsinghua University.	04/2011
	First-class Outstanding Scholarship (Samsung Scholarship), Tsinghua University/Samsung.	12/2009
	Second-class Outstanding Freshman Scholarship, Tsinghua University.	12/2008