

CONTACT INFORMATION	Department of Automation, Tsinghua University, Beijing, China Email: spm15@mails.tsinghua.edu.cn Homepage: http://pengmingsong.com/	Tel: 86-18664949979
RESEARCH INTERESTS	Computational imaging, Phase retrieval, Fourier ptychographic microscopy	
EDUCATION	Tsinghua University , Beijing, China M.E., Department of Automation <ul style="list-style-type: none"> • Major in Control Engineering • Advisor: <i>Prof. Yongbing Zhang</i> Tianjin University of Science & Technology , Tianjin, China B.S., College of Electronic Information and Automation <ul style="list-style-type: none"> • Major in Automation • GPA: 3.7/4.0 	Sep 2015 – Jul 2018 Sep 2010 – Jul 2014
RESEARCH EXPERIENCE	Research Assistant Department of Automation, Tsinghua University, China Supervisor: <i>Prof. Yongbing Zhang</i>	Mar 2015 – Jul 2018
JOURNAL PUBLICATIONS	(* means corresponding author and <i>Prof. Yongbing Zhang</i> is my master supervisor.) <ol style="list-style-type: none"> 1. Yongbing Zhang, Pengming Song*, Jian Zhang, and Qionghai Dai, “Fourier ptychographic microscopy with sparse representation,” <i>NPG Scientific Reports (SR)</i>, 7:8664, Aug. 2017. 2. Yongbing Zhang, Pengming Song*, and Qionghai Dai, “Fourier ptychographic microscopy using a generalized Anscombe transform approximation of the mixed Poisson-Gaussian likelihood,” <i>OSA Optics Express (OE)</i>, vol. 25, no. 1, Jan. 2017. 3. Yongbing Zhang, Ze Cui, Jian Zhang, Pengming Song, and Qionghai Dai, “Group-based Sparse Representation for Fourier Ptychography Microscopy,” <i>Optics Communications (OC)</i>, May. 2017. 	
CONFERENCE PUBLICATIONS	<ol style="list-style-type: none"> 1. Pengming Song, Weixin Jiang, Yongbing Zhang, and Qionghai Dai, “Fourier ptychographic reconstruction using weighted replacement in the fourier domain,” <i>IEEE International Conference on Image Processing (ICIP)</i>, 2016. 	
HONORS AND AWARDS	<ul style="list-style-type: none"> • National Scholarship (Ministry of Education, China, Top 2%), 2017 • Excellent Student Scholarship of Comprehensive Quality, Tsinghua University, 2016 • Excellent Graduates in College of Electronic Information and Automation, Tianjin University of Science & Technology, 2014 • RoboCup open tournament (Medical and service projects) in the first place, Chinese Association of Automation, 2013 • Merit Student, Tianjin University of Science & Technology, 2013 • National Encouragement scholarship, Tianjin University of Science & Technology, 2012, 2013 • Excellent Student Cadre, Tianjin University of Science & Technology, 2012 • Model Student of Academic Records, Tianjin University of Science & Technology, 2011 	