

CONTACT INFORMATION	Department of Automation Tsinghua University Haidian, Beijing, China	Tel: 86-18664907291 liuyy15@tsinghua.org.cn http://yinyanliu.com
RESEARCH INTERESTS	Image reconstruction, Signal processing, Multi-phase flow measurement Multi-sensor data fusion, Deep learning and their applications to solve realistic problems.	
EDUCATIONS	Tsinghua University , Beijing, China M.E. in Control Engineering. GPA: 3.20/4.0. (86.0/100).	2015 – 2018 Advisor: Prof. Yi Li National Scholarship, Ministry of Education, China, Top 2%
	North China Electric Power University , Beijing, China B.E. in Measuring & controlling Technology and Instrument. GPA: 3.41/4.0. (84.1/100), TOP 7%.	2007 – 2011 Advisor: Prof. Tian Qiu National Encouragement Scholarship 2008-2010
EXPERIENCES	Shanxi Zhangze Power Co., LTD , Shanxi, China - Maintain the measurement instruments to make sure the plant work well. - Familiar with the Distributed Control System(DCS) and Programmable Logic Controller (PLC) to make sure the complex control systems work well. - Build and maintain the Management Information System (MIS).	2011 – 2015
	Renesas Electronics Corporation , Beijing, China Internship: Test Engineer - Develop testing programs based on C++ or VB to test the quality of USB3.0	Oct. 2010 – May. 2011
	Rokid A-Lab , Beijing, China Algorithmic Engineer - Signal processing, such as Speech Enhancement and Automatic Speech Recognition	Jul. 2018 – Now
PUBLICATIONS	Yinyan Liu , Yuchi Deng, Maomao Zhang, Peining Yu and Yi Li. Experimental measurement of oil-water two-phase flow by data fusion of electrical tomography sensors and venturi tube. <i>Measurement Science and Technology (MST)</i> , 2017, 25(9). - Published	
	Jiaoxuan Chen, Maomao Zhang, Yinyan Liu , Jiaoliao Chen and Yi Li. Image reconstruction algorithms for electrical capacitance tomography based on ROF model using new numerical techniques. <i>Measurement Science and Technology (MST)</i> , 2017, 28(3): 035404. - Published	
	Yinyan Liu , Yuchi Deng and Yi Li. Experimental investigation of gas-oil two-phase flow using electrical capacitance tomography. <i>IEEE International Conference on Imaging Systems and Techniques (IST)</i> , 2017 (Oral Presentation). - Published	
	Delin Hu, Jinku Li, Yinyan Liu and Yi Li. Flow Adversarial Networks: Flowrate Prediction for Gas-Liquid Multiphase Flows Across Different Domains <i>IEEE Transactions on Neural Networks and Learning Systems (TNNLS)</i> . -Published	
	Delin Hu, Yinyan Liu and Yi Li. Mass flow rate measurement of gas-liquid two-phase flow based on double differential pressure signals from horizontal Venturi tube. <i>Measurement</i> . -Submitted	
AWARDS	National Scholarship , Tshinghua University (Ministry of Education, China, Top 2%) 2017 National Encouragement Scholarship , North China Electric Power University 2008-2010 The third prize of eleventh "Challenge Cup" National College Student Curricular Academic Science and Technology Works Competition 2009 Merit Student , North China Electric Power University 2009	