

Yinyan Liu

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| CONTACT INFORMATION | Department of Automation Tsinghua University Haidian, Beijing, China | Tel: 86-18664907291 liuyy15@mails.tsinghua.edu.cn https://yinyanliu.github.io/ |
| RESEARCH INTERESTS | Image reconstruction based on electrical tomography. Machine Learning: Support Vector Machine. Signal processing and data analysis. | |
| EDUCATION | Tsinghua University , Beijing, China M.E. in Control Engineering Advisor: <i>Prof. Yi Li</i> GPA: 3.20/4.0. (82.0/100) North China Electric Power University , Beijing, China B.E. in Measurement and Control Technology and Instruments GPA: 3.41/4.0. (84.1/100) | 2015 – 2018 (Expected) 2007 – 2011 |
| EXPERIENCE | Shanxi Zhangze Power CO., LTD , Shanxi, China Focus on Distributed Control System (DCS) and Programmable Logic Controller (PLC) of 660MW thermal power plant Renesas Electronics Corporation , Beijing, China Internship: Chip Commissioning Engineer | 2011 – 2015 Oct. 2010 – May. 2011 |
| 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 (Accepted). 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. 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 (Submitted and under evaluating). Yuchi Deng, Yinyan Liu and Yi Li. The GVF measurement and flow regime study of gas-water flows by ERT sensor <i>IEEE International Conference on Imaging Systems and Techniques (IST)</i> , 2017 (Submitted and under evaluating). | |
| AWARDS | National Encouragement Scholarship , North China Electric Power University 2008/2009 National Encouragement Scholarship , North China Electric Power University 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 | |
| MISCELLANEOUS | Programming Languages GRE | Matlab, C++, Python, Latex 323 (Verbal 156, Quantitative 167, Writing 3.5) |