



Qing Tao

Postgraduate student, *Central South University, Changsha, China*

☎: (+86)186-8499-5917

✉: taoqing5917@qq.com

🌐: <https://github.com/taoqing5917> 🏠: <https://taoqing5917.github.io/>



Education

- School of Mechanical, Electrical & Information Engineering | Shandong University 2014.9 — 2018.6
- School of Automation | Northwestern Polytechnical University 2015.9 — 2016.6
- School of Automation | Central South University 2018.9 — Now

Publications

- **Q. Tao**, F. Liu, Y. Li and D. Sidorov, “Air Pollution Forecasting Using a Deep Learning Model Based on 1D Convnets and Bidirectional GRU,” in IEEE Access, vol. 7, pp. 76690-76698, 2019. (SCI, IF=4.098).
- D. Sidorov, **Q. Tao**, I. Muftahov, A. Zhukov, D. Karamov, A. Dreglea, and F. Liu. “Energy balancing using charge/discharge storages control and load forecasts in a renewable-energy-based grids,” 2019 Chinese Control Conference (CCC), Guangzhou, China, 2019, pp. 6865-6870.
- **Q. Tao**, F. Liu, D. Sidorov (2020) Recurrent Neural Networks Application to Forecasting with Two Cases: Load and Pollution. In: Vasant P., Zelinka I., Weber GW. (eds) Intelligent Computing and Optimization. ICO 2019. Advances in Intelligent Systems and Computing, vol 1072. Springer, Cham.
- 刘芳, **陶青**, 刘玲, 李勇. 一种 PM2.5 浓度预测方法、装置及介质[P]. 湖南省: CN109978228A, 2019-07-05.

GPA & Language

- Score 3.87/4, Rank 6/175
- Passed CET4/6(College English Test Band 4/6)

Honors & Awards

- 第二届“源创杯”创新创业大赛南部赛区优胜奖 2019
 - ♦ 题目: 基于机器视觉的微型仿生飞行器
- **Excellent Student** (postgraduate), Central South University 2019
- **Postgraduate First-Class Scholarship**, Central South University 2019

Projects

- **Time series forecasting** <https://github.com/taoqing5917/time-series-forecasting>
 - ♦ Some experiments on time series forecasting

Skills & Interests

- **Programming Skills**
 - ♦ Python/C/Java/Matlab
 - ♦ Keras/PyTorch/Scikit-learn/OpenCV
- **Research interests**
 - ♦ Deep learning
 - ♦ Deep reinforcement learning
 - ♦ Time series forecasting
 - ♦ New energy power generation