

Academic Staff Resume

Name: Shengda Luo

Title: Post-Doctor

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Academic Qualification:

Ph.D. in Macau University of Science and Technology, 2020.10

Master in Macau University of Science and Technology, 2017.08

Research Area

Machine Learning Methods for Sources Classification

Machine Learning Methods for Crater Identification

Working Experience

2021.03 - Now, Macau University of Science and Technology, Post-Doctor

2020.10 - 2021.02, Southern University of Science and Technology, Visitor

Academic Publication

Journal Articles:

1. Shengda Luo, Alex Po Leung, C. Y. Hui, K.L. Li. An investigation on the factors affecting machine learning classification in gamma-ray astronomy. Monthly Notices of the Royal Astronomical Society, 2020
2. C.Y. Hui, J. Lee, K.L. Li, S. Kim, K. Oh, Shengda Luo, Alex Po Leung, A. K. H. Kong, J. Takata, K. S. Cheng. Searches for Pulsar-like Candidates from Unidentified Objects in the Third Catalog of Hard Fermi-LAT (3FHL) sources with Machine Learning Techniques. Monthly Notices of the Royal Astronomical Society, 2020
3. Shengda Luo, Jiahui Xu, Lei Liu, Elaine Lai-Han Leung, Alex Po Leung. An Ensemble Recommender System for Personalised Lung Cancer Medicine without Genetic Sequencing. Pharmacological Research, 2020
4. Shengda Luo, Alex Po Leung, Xingzhao Qiu, Jan Y.K. Chan, Haozhi Huang. Complementary Deep and Shallow Learning with Boosting for Public Transportation Safety. Sensors, 2020

Conference Papers:

1. Shengda Luo, Alex Po Leung, Haici Zhang. Deep Learning Features Through Dictionary Learning with Improved Clustering for Image Classification. NeurIPS Workshops, 2019
2. Shengda Luo, Alex Po Leung, Xingzhao Qiu. Safety for Public Transportation: Driver Behavior Analytics for Road Safety with Boosting. IJCAI Workshops, 2019

3. Shengda Luo, Alex Po Leung. Improved Dictionary Learning with Enriched Information for Biomedical Images. ECCV Workshops, 2018
4. Shengda Luo, Alex Po Leung, Yong Liang. A novel superpixel approach utilizing depth and temporal cues. ICSIPA, 2017
5. Alex Po Leung, Y. Tong, Li Rui, Shengda Luo, C.Y. Hui. A Novel Framework for Gamma-ray Source Classification using Automatic Feature Selection. Proceedings of 7th International Fermi Symposium, 2017