CHANG Qing

Department: School of Information Science and Engineering
Professional field: Image processing and Pattern recognition,
Machine Vision and Application
E-mail: changqing@ecust.edu.cn

Profile

Dr. Chang received PhD in Navigation, guidance and control from Northwestern Polytechnic University (NWPU) in 2003.Dr. Chang is an Associate Professor from School of Information Science and Engineering , East China University of Science and Technology Shanghai, China. Dr. Chang give lectures to both undergraduate and graduate students. So far she got two books and several dozens of papers published. One year of visiting scholars at the University of Pittsburgh, PA, USA. Participating in three natural science funds, Responsible for hundreds of thousands of RMB in research projects.

Research Field

Dr. Chang has experience and publications in image processing and analysis, focus on computer-aided medical image diagnosis, and clinical translational and imaging biomarker research. Also has an interest in applying computer and image processing technology to advance clinical translational and imaging biomarker research in a wide range of diseases including, pulmonary embolism, , lung cancer, brain tumor perfusion. She also specializes in discovery and development of machine vision and application in industry.

Research results and selected published papers

1. Qing CHANG, Fei ZUO An Introduction to the Analysis of Algorithms（Second Edition）BeiJing.: Publishing house of Electronics Industry. 2018

2. Ye, Jian; Chang, Qing; Jia, Xiaotian. Research on Image-to-Image Translation with Capsule Network. 28th International Conference on Artificial Neural Networks.ICANN 2019. :403-407

3. QIAN Wenxiu CHANG Qing; XIANG Hui, KANG Wenbin ; Strawberry Image Segmentation Based on Deeply Supervised Saliency Detection . Journal of East China University of Science and Technology（Natural Science Edition）2019,45(6):114-120

4. CHANG Qing, SHAO Chen, HU Yue. A Word Bag Recognition Algorithm Based On Mixture Region Segmentation. Journal of East China University of Science and Technology（Natural Science Edition）. 2018,44(2):254-259.

5. CHANG Qing, SHAO Chen. Saliency Detection Algorithm Based on Multi-layer Graph and Compactness. Journal of East China University of Science and Technology（Natural Science Edition）2018,44(5):737-743.

6. CHANG Qing; ZHANG Tianyu ; ZHAO Bingbing.Non-Standard Automatic Detection Algorithm for Mobile Phone Special-shaped Mainboard Based on Machine Vision . Journal of East China University of Science and Technology（Natural Science Edition）2019,45(4):231-234

7. Xing-Yun,Ding; CHANG Qing,;Chao,Song.Study on the extract method of time domain characteristic parameters of pluse wave. International Conference on Signal and Image Processing, ICSIP 2016: 432-436