Chuanqi Tan

Contact Information

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Research Interests

I am interested in use deep learning and transfer learning techniques to build better brain computer interface system.

Education

Tsinghua University 2015-Now

Ph.D. Candidate, Computer Science and Technology
Research Fields: Brain Computer Interface, Transfer Learning.

Beijing Institute of Technology 2009-2012

Master, Computer Science and Technology
Research Fields: Computer Vision.

Tianjin Polytechnic University 2003-2007

Bachelor, Computer Science and Technology

Publications

[1]. Zhang, W., Sun, F., Liu, C., Su, W., **Tan, C.**, & Liu, S. (2017). A hybrid EEG-based BCI for robot grasp controlling. In The 2017 IEEE International Conference on Systems, Man, and Cybernetics, IEEE SMC 2017.

[2]. **Tan, C.**, Sun, F., Zhang, W., Chen, J., & Liu, C. (2017). Multimodal Classification with Deep Convolutional-Recurrent Neural Networks for Electroencephalography. In The 24th International Conference On Neural Information Processing, ICONIP 2017. **Best Student Paper Award Finalist**.

[3]. **Tan, C.**, Sun, F., Zhang, W., Liu, S., & Liu, C. (2017). Spatial and spectral features fusion for EEG classification during motor imagery in BCI. In Biomedical & Health Informatics (BHI), 2017 IEEE EMBS International Conference on (pp. 309312). IEEE.

[4]. Zhang, W., Sun, F., **Tan, C.**, & Liu, S. (2016). Low-Rank Linear Dynamical Systems for Motor Imagery EEG. Computational Intelligence and Neuroscience, 2016.

[5]. **Tan, C.**, Sun, F., Zhang, W., & Liu, S. (2016). A synchronous and closed-loop architecture of BCI-based rehabilitation system for stroke with robot and virtual reality. International Conference on Artificial Intelligence and Industrial Engineering. AIIE 2016.

Submitted Publications

[1]. **Tan, C.**, Sun, F., Liu, F., & Zhang, W. Beyond Electroencephalography: A Computer Vision Perspective of Brain Computer Interface. Submitted to *AAAI 2018*.

[2]. **Tan, C.**, Sun, F., & Zhang, W. Deep Transfer Learning for EEG-based Brain Computer Interface. Submitted to *ICASSP 2018*.

Industry Experience

TDRHedu.com, *CTO* 2015.1-2015.10

Baidu.com, *Senior research & develop engineer* 2013.10-2015.1

Jike.com, *Senior research & develop engineer* 2012.1-2013.10