

# Curriculum Vitae

Guo, Quan

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I am Quan Guo, Ph.D., with Machine Intelligence Lab at College of Computer Science, Sichuan University, China. I received my Ph.D. degree in machine intelligence from Sichuan University in 2017, supervised by Professor Zhang Yi, IEEE fellow. I also received my Master's degree and Bachelor's degree from Sichuan University in 2013 and 2010 respectively.

## Contact Info

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## Education

2013 – 2017	Sichuan University, <i>Ph.D. in Machine Intelligence, Computer science and technology</i>
2010 - 2013	Sichuan University, <i>M.S.</i>
2006 - 2010	Sichuan University, <i>B.Eng.</i>

## Professional Experience

2014	<i>R&amp;D Internship</i> , Institute of Deep Learning (IDL), Baidu Inc.
2013	<i>Visiting Ph.D. Student</i> , Tsinghua University

## Professional Services

### Organizations

- ♦ Chair, IEEE Chengdu Young Professional Affinity Group (2016~)

### Journal Reviewer

- ♦ IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- ♦ IEEE Transactions on Knowledge and Data Engineering (TKDE)
- ♦ IEEE Transactions on Cybernetics (TCyb)
- ♦ Knowledge-Based Systems
- ♦ Neurocomputing
- ♦ Frontiers of Computer Science
- ♦ Acta Automatica Sinica
- ♦ Applied Computational Intelligence and Soft Computing

### Conference Reviewer

- ♦ International Joint Conference on Neural Networks (IJCNN 2014, 2015, 2016, 2017)
- ♦ 2015 National Conference of Theoretical Computer Science (NCTCS 2015) Jinhua, China, Oct. 30 - Nov. 1, 2015
- ♦ 2016 International Conference on Frontier of Computer Science and Technology (FCST 2016), Nagasaki, Japan, Nov. 11, 2016

### Conference Organization

- ♦ Session Chair, 2016 International Conference on Frontier of Computer Science and Technology (FCST 2016), Nagasaki, Japan, Nov. 11, 2016
- ♦ Program Committee Member, 2016 International Conference on Frontier of Computer Science and Technology (FCST 2016), Nagasaki, Japan, Nov. 11, 2016

## Honors and Awards

2016 IEEE Chengdu Section 2016 Excellent Student Paper Award

2016 SCF 2016 Best Student Paper Award

National Scholarship (for 2009, 2013, 2015, and 2016)

- 2012 The First Prize Scholarship of Sichuan University for Postgraduates
- 2009 The First Prize Scholarship of Sichuan University
- 2008 The IBM Chinese Excellent Student Scholarship
- 2008 The Wisesoft Scholarship
- 2009 Double TopTen Classes in Sichuan University (as the class monitor)
- 2008 Top Ten Student Unions in Sichuan University (as the vice-president of the Student Union)

## Publications

### Journal Papers

#### 2017

- [1] Q. Guo, H. Zhang, and Z. Yi, "High-Order Measurements for Residual Classifiers," *IEEE Transactions on Neural Networks and Learning Systems*, vol. 28, iss. 5, pp. 1030-1042, 2017. doi:10.1109/TNNLS.2016.2515128
- [2] Z. Yi, Q. Guo, and J. Wang, "Big data analysis using neural networks," *Advanced Engineering Sciences*, vol. 49, iss. 1, pp. 9-18, 2017. doi:10.15961/j.jsuese.2017.01.002
- [3] K. Li, Q. Guo, and J. Guo, "Novel Algorithms for Reducing Bladder Volume Estimation Error Caused by Scanning Positions," *International Journal of Computer Mathematics*, vol. 94, iss. 6, pp. 1138-1154, 2017. doi:10.1080/00207160.2016.1184260
- [4] J. Wang, L. Zhang, Q. Guo, and Z. Yi, "Recurrent Neural Networks with Auxiliary Memory Unit," *IEEE Transactions on Neural Networks and Learning Systems*, Online Early Access, 2017. doi:10.1109/TNNLS.2017.2677968

#### 2016

- [5] Q. Guo, J. Jia, G. Shen, L. Zhang, L. Cai, and Z. Yi, "Learning Robust Uniform Features for Cross-media Social Data by Using Cross Autoencoders," *Knowledge-Based Systems*, vol. 102, pp. 64-75, 2016. doi:10.1016/j.knosys.2016.03.028
- [6] Y. Sun, H. Mao, Q. Guo, and Z. Yi, "Learning a good representation with unsymmetrical auto-encoder," *Neural Computing and Applications*, vol. 27, iss. 5, pp. 1361-1367, 2016. doi:10.1007/s00521-015-1939-3
- [7] Q. Guo, J. Wang, Y. Chen, and Z. Yi, "Chinese Songci Composing with Recurrent Neural Network," *2016 International Conference on Frontier of Computer Science and Technology (FCST 2016)*, Nagasaki, Japan, Nov. 11, 2016.

#### 2014

- [8] 章毅, 郭泉, 张蕾, and 吕建成, "深度网络和认知计算," *中国计算机学会通讯(CCCF)*, vol. 10, iss. 2, pp. 26-32, 2014.
- [9] H. Lin, J. Jia, Q. Guo, Y. Xue, Q. Li, J. Huang, L. Cai, and L. Feng, "User-level psychological stress detection from social media using deep neural network," in *Proceedings of the ACM international conference on multimedia (ACMMM 2014)*,

New York, NY, USA, 2014, pp. 507-516.  
doi:10.1145/2647868.2654945

- [10] Z. Ren, J. Jia, **Q. Guo**, K. Zhang, and L. Cai, "Acoustics, content and geo-information based sentiment prediction from large-scale networked voice data," *in Multimedia and expo (ICME 2014), 2014 IEEE international conference on*, 2014. doi: 10.1109/ICME.2014.6890151
- [11] H. Lin, J. Jia, **Q. Guo**, Y. Xue, J. Huang, L. Cai, and L. Feng, "Psychological stress detection from cross-media microblog data using deep sparse neural network," *in Multimedia and expo (ICME 2014), 2014 IEEE international conference on*, 2014. doi: 10.1109/ICME.2014.6890213

## 2013

- [12] **Q. Guo**, L. Zhang, S. Wang, and Z. Yi, "Rigid image registration via column sparse optimisation for seal registration," *Electronics letters*, vol. 49, iss. 17, pp. 1069-1071, 2013. doi:10.1049/el.2013.0835