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| **Subject** | Communication and Information Systems | **Research Interest** | Digital signal processing, audiovisual signal processing, pattern recognition and human–computer interaction. |
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| **Educational Background** | 2000.9–2004.3 **Ph.D.** in Communication and Information Systems, Department of Electronic Engineering, Beijing Institute of Technology, Beijing, China.  1987.9–1990.7 **Master of Engineering** in Computer Science, Department of Electronic Engineering, Zhengzhou University, Zhengzhou, China.  1978.10–1982.7 **Bachelor of Engineering** in Telecommunications,  Department of Radio Engineering, Nanjing  Institute of Posts and Telecommunications,  Nanjing China | | | |
| **Working Experiences** | 2005.04 –now: **Vice Dean** and **Professor** at the School of Information Engineering, Zhengzhou University, China.  2004.11 –2005.03: **Full** **Professor** at the School of Information Engineering, Zhengzhou University, China.  2004.04 –2004.10: **Associate Professor** at the School of Information Engineering, Zhengzhou University, China.  1996.11 – 2000.08: **Associate Professor** at the Department of Electronic Engineering, Zhengzhou University, China.  1990.08–1996.10: **Lecturer** at the Department of Electronic Engineering, Zhengzhou University, China.  1982.07–1987.08: **Engineer** at the No.4 Telecommunications engineering company of China, Zhengzhou China | | | |
| **Research Projects** | 1. Recognizing Human Emotional State based on Fractional Fourier Transform, Supported by the **National Natural Science Foundation of China,** RMB400,000 (2011-2013). 2. Research of Fractal Image Compression Coding Technology, Supported by the **Natural Science Foundation of Henan province, China,** RMB20,000 (2003-2005). 3. Research on A New Microstrip Transmission Line, Supported by the **Natural Science Foundation of Henan province, China,** RMB10,000 (2000-2001). 4. Research of Distributed Passive Detection System, Supported by the **National Natural Science Foundation of China**, RMB2000,000 (2002-2006). 5. Research of Multi-component Digital Image Watermarking Based on Fractional Fourier Transformation, Supported bythe **National Natural Science Foundation of China**, RMB200,000 (2005-2007). 6. Research on the Theory and Applications of Fractional Fourier Transform, Supported bythe **National Natural Science Foundation of China**, RMB220,000 (1999-2002). | | | |
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| **Selected Publications** | 1. Guo X, Yun T, **Qi L**, et al. A Novel Semi-Supervised Dimensionality Reduction Framework for Multi-manifold Learning[J]. IEEE Multimedia, 2016, 23(2):28-41. 2. Gao L, **Qi L**, Guan L. Online Behavioral Analysis with Application to Emotion State Identification[J]. IEEE Intelligent Systems, 2016, 31(5):32-39. 3. Liang C, Chen E, **Qi L**, et al. Improving Action Recognition Using Collaborative Representation of Local Depth Map Feature[J]. IEEE Signal Processing Letters, 2016, 23(9): 1241- 1245. 4. Zhang F, **Qi L**, Chen E. Face Recognition via Multilinear Principal Component Analysis and Two-Dimensional Extreme Learning Machine[J]. Journal of Computational & Theoretical Nanoscience, 2015, 12(7):1138-1143(6). 5. Wang S, Guo X, Mu X, **Qi L**,et al. Advanced weight graph transformation matching algorithm[J]. Computer Vision Iet, 2015, 9(6):960-966. 6. Zhang F, **Qi L**, Chen E. Extended Extreme Learning Machine for Biometric Signal Classification[J]. Journal of Computational & Theoretical Nanoscience, 2015, 12(7):1247-1251(5). 7. Niu H, Chen E, **Qi L**, et al. Image registration based on Fractional Fourier Transform[J]. Optik - International Journal for Light and Electron Optics, 2015, 126(23):3889-3893. 8. Chen E, Wang J, **Qi L**, et al. A Novel Multiscale Edge Detection Approach Based on Nonsubsampled Contourlet Transform and Edge Tracking[J]. Mathematical Problems in Engineering, 2015, 2015(1):1-14. 9. Zheng N, Qi L, Guan L. Generalized multiple maximum scatter difference feature extraction using QR decomposition[J]. Journal of Visual Communication & Image Representation, 2014, 25(6):1460-1471. 10. Gao L, **Qi L**, Wang Y, et al. Rotation Invariance in 2D-FRFT with Application to Digital Image Watermarking[J]. Journal of Signal Processing Systems, 2013, 72(2):133-148. 11. Liang C, Chen E, **Qi L**, et al. 3D Action Recognition Using Depth-Based Feature and Locality-Constrained Affine Subspace Coding[C]// IEEE International Symposium on Multimedia. IEEE, 2017:261-266. 12. Gao L, Guan L, **Qi L**, et al. A Novel Discriminative Framework Integrating Kernel Entropy Component Analysis and Discriminative Multiple Canonical Correlation for Information Fusion[C]// IEEE International Symposium on Multimedia. IEEE, 2017:291-294. 13. Guo X, **Qi L**, Guan L. Semi-Supervised and Semi-Paired Graph Regularized Multiset Canonical Correlation Analysis[C]// IEEE International Symposium on Multimedia. IEEE, 2017:379-384. 14. Lei G, **Lin Q**, Ling G. Information fusion based on kernel entropy component analysis in discriminative canonical correlation space with application to audio emotion recognition[C]// IEEE International Conference on Acoustics, Speech and Signal Processing. IEEE, 2016:2817-2821. 15. Xin G, Yun T, **Lin Q**, et al. A Novel Semi-Supervised Dimensionality Reduction Framework for Multi-manifold Learning[C]// IEEE International Symposium on Multimedia. IEEE, 2016:191-196. 16. Liang C, **Qi L**, Chen E, et al. Depth-based action recognition using multiscale sub-actions depth motion maps and local auto-correlation of space-time gradients[C]// IEEE, International Conference on Biometrics Theory, Applications and Systems. IEEE, 2016:1-7. 17. Gao L, **Qi L**, Guan L. Sparsity preserving multiple canonical correlation analysis with visual emotion recognition to multi-feature fusion[C]// IEEE International Conference on Image Processing. IEEE, 2015:2710-2714. 18. Zheng N, Guo X, **Qi L**, et al. Two-dimensional discriminant multi-manifolds locality preserving projection for facial expression recognition[C]// Conference of the European Chapter of the Association for Computational Linguistics. Association for Computational Linguistics, 2009:398-405. 19. Zheng N, **Qi L**, Guan L. Multiple-manifolds Discriminant Analysis for Facial Expression Recognition from Local Patches Set[M]// Multimodal Pattern Recognition of Social Signals in Human-Computer-Interaction. 2014:26-33. 20. Zheng N, **Qi L**, Guan L. Incremental GMMSD2 with applications to feature extraction[C]// IEEE International Symposium on Circuits and Systems. IEEE, 2014:890-893. | | | |