



# Qiuping Jiang

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*School of Information Science & Engineering*  
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## OVERVIEW

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- I am currently a **Professor** and **Ph.D. Supervisor** with the School of Information Science and Engineering, **Ningbo University**, Ningbo, China, and also with the Engineering Research Center of Multimedia Communication, Ministry of Education, China. I received my **Ph.D.** degree in Information and Communication Engineering from **Ningbo University**. From Jan. 2017 to Jun. 2018, I spent one and a half years visiting the Multimedia Lab affiliated with the School of Computer Science and Engineering, **Nanyang Technological University (NTU)**, Singapore. The visit was supported by China Scholarship Council (CSC).
- I research broadly in the areas of image processing, visual perception modeling, and immersive multimedia computing. I have published more than 100 papers in referred journals and conferences including **50+** Papers in IEEE Transactions/Letters, **2 ESI Highly Cited Papers**. My Google Scholar Citation number is **1600+**, Google Scholar H-index is **22**, and Google Scholar i10-index is **47**.
- I am a member of IEEE, CCF, CSIG, and CAAI. I also serve as the **Associate Editor** for several SCI-indexed journals such as *IET Image Processing*, *Journal of Electronic Imaging*, and *APSIPA Transactions on Signal and Information Processing*, the **Area Chair/Session Chair/PC member** for IJCAI/AAAI/ACM-MM/ICME/ICIP, and the **Reviewer** for ACM Computing Survey/TOMM, IEEE TIP/TCSVT/TMM/TNNLS/TCYB/TMI, and Elsevier NEUCOM/EAAI/SP/SPIC/JVCI.
- I was a recipient of the **Distinguished Youth Scholar Funding by Zhejiang Provincial Natural Science Foundation (ZJNSF)**, **2017 Elsevier JVCi Best Paper Hornerable Mention Award**, Excellent Doctoral Dissertation Award by Zhejiang Province, Scientific and Technological Progress Award by Zhejiang Province, Top Talent of Ningbo Municipality, and Innovative Talents of Ningbo Pan-3315 Plan.

## RESEARCH INTERESTS

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- Human Visual Perception Modeling
- Image/Video Quality Assessment
- Image/Video Quality Enhancement
- Immersive Multimedia Computing and Application

## EDUCATION & WORK EXPERIENCE

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- **Professor** 2023/01-Now  
*School of Information Science and Engineering*  
*Engineering Research Center of Multimedia Communication, Ministry of Education, China*  
*Ningbo University (NBU), Ningbo, China*
- **Associate Professor** 2018/07-2022/12  
*School of Information Science and Engineering*  
*Engineering Research Center of Multimedia Communication, Ministry of Education, China*  
*Ningbo University (NBU), Ningbo, China*
- **Research Assistant** 2017/1-2018/06  
*Multimedia Lab, School of Computer Science and Engineering*  
*Nanyang Technological University (NTU), Singapore*  
*Supervisor & Collaborator: Prof. Weisi Lin (IEEE/IET Fellow)*
- **Ph.D. (Information and Communication Engineering)** 2012/09-2018/06  
*Ningbo University (NBU), Ningbo, China*  
*Thesis: Research on 3D Visual Media Quality Evaluation and Optimization*
- **B.E. (Communication Engineering)** 2008/09-2012/06  
*China Jiliang University (CJLU), Hangzhou, China*

## RESEARCH GRANTS

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- **(Principal Investigator)** “Underwater Optical Imaging Quality Optimization and Human-Machine Co-Friendly Compression”, *Natural Science Foundation of China (General Project)*, CNY 540,000, 2023/01-2026/12
- **(Principal Investigator)** “Underwater Image Quality Enhancement and Compression for Human and Artificial Intelligence”, *Natural Science Foundation of Ningbo (Distinguished Youth Scholar)*, CNY 200,000, 2022/09-2025/09
- **(Principal Investigator)** “Deep Learning-based Underwater Image Enhancement and Quality Evaluation”, *Natural Science Foundation of Zhejiang Province (Distinguished Youth Scholar)*, CNY 800,000, 2022/01-2024/12
- **(Principal Investigator)** “Visual Quality Evaluation and Optimization for Stereoscopic 3D Video Retargeting”, *National Natural Science Foundation of China (Youth Scholar)*, CNY 316,000, 2020/01-2022/12
- **(Principal Investigator)** “Deep Learning-based Blind Quality Assessment of In-the-wild Natural Images”, *Scientific Research Start-up Foundation Granted by Ningbo University*, CNY 500,000, 2018/07-2023/06

## SELECTED PUBLICATIONS

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- In Press:

1. Yaozu Kang, Qiuping Jiang\*, Chongyi Li, Wenqi Ren, Hantao Liu, Pengjun Wang, “A Perception-Aware Decomposition and Fusion Framework for Underwater Image Enhancement,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, in press, 2022.
2. Guanghui Yue, Peishan Wei, Tianwei Zhou, Qiuping Jiang, Weiqing Yan, Tianfu Wang, “Towards Multi-Center Skin Lesion Classification Using Deep Neural Network with Adaptively Weighted Balance Loss,” *IEEE Transactions on Medical Imaging (TMI)*, in press, 2022.
3. Runmin Cong, Qi Qin, Chen Zhang, Qiuping Jiang, Shiqi Wang, Sam Kwong, “A Weakly Supervised Learning Framework for Salient Object Detection via Hybrid Labels,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, in press, 2022.
4. Chao Huang, Jie Wen, Yong Xu, Qiuping Jiang, Jian Yang, Yaowei Wang, David Zhang, “Self-supervised attentive generative adversarial networks for video anomaly detection,” *IEEE Transactions on Neural Networks and Learning Systems (TNNLS)*, in press, 2022.
5. Chao Huang, Chengliang Liu, Jie Wen, Yong Xu, Qiuping Jiang, Yaowei Wang, “Weakly Supervised Video Anomaly Detection via Self-Guided Temporal Discriminative Transformer,” *IEEE Transactions on Cybernetics (TCYB)*, in press, 2022.
6. Chongzhen Tian, Feng Shao, Xiongli Chai, Qiuping Jiang, Long Xu, Yo-Sung Ho, “Viewport-Sphere-Branch Network for Blind Quality Assessment of Stitched 360° Omnidirectional Images,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, in press, 2022.
7. Chongzhen Tian, Xiongli Chai, Gang Chen, Feng Shao, Qiuping Jiang, Xiangchao Meng, Long Xu, Yo-Sung Ho, “VSOIQE: A Novel Viewport-based Stitched 360° Omnidirectional Image Quality Evaluator,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, in press, 2022.
8. Hangwei Chen, Feng Shao, Xiongli Chai, Yuese Gu, Qiuping Jiang, Xiangchao Meng, Yo-Sung Ho, “Quality Evaluation of Arbitrary Neural Style Transfer: Subjective Study and Objective Metric,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, in press, 2022.
9. Hangwei Chen, Xiongli Chai, Feng Shao, Xuejin Wang, Qiuping Jiang, Xiangchao Meng, Yo-Sung Ho, “Perceptual quality assessment of cartoon images,” *IEEE Transactions on Multimedia (TMM)*, in press, 2022.
10. Gang Chen, Feng Shao, Xiongli Chai, Hangwei Chen, Qiuping Jiang, Xiangchao Meng, Yo-Sung Ho, “Modality-Induced Transfer-Fusion Network for RGB-D and RGB-T Salient Object Detection,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, in press, 2022.
11. Gang Chen, Xiongli Chai, Feng Shao, Qiuping Jiang, Yo-Sung Ho, “Multi-stage Salient Object Detection in 360° Omnidirectional Image Aiding by Object-Level Semantic Information,” *IEEE Transactions on Emerging Topics in Computational Intelligence (TETCI)*, in press, 2022.

12. Guanghui Yue, Siying Li, Tianwei Zhou, Miaohui Wang, Jingfeng Du, **Qiuping Jiang**, Wei Gao, Tianfu Wang, “Adaptive Context Exploration Network for Polyp Segmentation in Colonoscopy Images,” *IEEE Transactions on Emerging Topics in Computational Intelligence (TETCI)*, in press, 2022.
  13. Xiaoyu Zhang, Wei Gao, Ge Li, **Qiuping Jiang**, Runmin Cong, “Image Quality Assessment Driven Reinforcement Learning for Mixed Distorted Image Restoration,” *ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM)*, in press, 2022.
- 2022:
1. **Qiuping Jiang**, Zhentao Liu, Ke Gu, Feng Shao, Xinfeng Zhang, Hantao Liu, Weisi Lin, “Single Image Super-Resolution Quality Assessment: A Real-World Dataset, Subjective Studies, and An Objective Metric,” *IEEE Transactions on Image Processing (TIP)*, 31: 2279-2294, 2022.
  2. **Qiuping Jiang**, Zhentao Liu, Shiqi Wang, Feng Shao, Weisi Lin, “Toward Top-Down Just Noticeable Difference Estimation of Natural Images,” *IEEE Transactions on Image Processing (TIP)*, 31: 3697-3712, 2022.
  3. **Qiuping Jiang**, Yudong Mao, Runmin Cong, Wenqi Ren, Chao Huang, Feng Shao, “Unsupervised Decomposition and Correction Network for Low-light Image Enhancement,” *IEEE Transactions on Intelligent Transportation Systems (TITS)*, 23(10):19440-19455, 2022.
  4. **Qiuping Jiang**, Yuese Gu, Chongyi Li, Runmin Cong, Feng Shao, “Underwater Image Enhancement Quality Evaluation: Benchmark Database and Objective Metric,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 32(9): 5959-5974, 2022.
  5. **Qiuping Jiang**, Zhenyu Peng, Feng Shao, Ke Gu, Yabin Zhang, Wenjun Zhang, Weisi Lin, “StereoARS: Quality evaluation for stereoscopic image retargeting with binocular inconsistency detection,” *IEEE Transactions on Broadcasting (TBC)*, 68(1): 43-57, 2022.
  6. Zhenyu Peng, **Qiuping Jiang\***, Feng Shao, Wei Gao, Weisi Lin, “LGGD+: Image retargeting quality assessment by measuring local and global geometric distortions,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 32(6): 3422-3437, 2022.
  7. Yudong Mao, **Qiuping Jiang\***, Runmin Cong, Wei Gao, Feng Shao, Sam Kwong, “Cross-modality fusion and progressive integration network for saliency prediction on stereoscopic 3D images,” *IEEE Transactions on Multimedia (TMM)*, 24: 2435-2448, 2022.
  8. Runmin Cong, Haowei Yang, **Qiuping Jiang\***, Wei Gao, Haisheng Li, Cong Wang, Yao Zhao, Sam Kwong, “BCS-Net: Boundary, Context, and Semantic for Automatic COVID-19 Lung Infection Segmentation From CT Images,” *IEEE Transactions on Instrumentation and Measurement (TIM)*, 71: 5019011, 2022.
  9. Wei Gao, **Qiuping Jiang**, Ronggang Wang, Siwei Ma, Ge Li, Sam Kwong, “Consistent Quality Oriented Rate Control in HEVC via Balancing Intra and Inter Frame Coding,” *IEEE Transactions on Industrial Informatics (TII)*, 18(3): 1594-1604, 2022.

10. Xuejin Wang, Feng Shao, **Qiuping Jiang**, Xiongli Chai, Xiangchao Meng, Yo-Sung Ho, "List-wise rank learning for stereoscopic image retargeting quality assessment," *IEEE Transactions on Multimedia (TMM)*, 24: 1595-1608, 2022.
11. Xuejin Wang, Feng Shao, **Qiuping Jiang**, Zhenqi Fu, Xiangchao Meng, Ke Gu, Yo-Sung Ho, "Combining retargeting quality and depth perception measures for quality evaluation of retargeted stereopairs," *IEEE Transactions on Multimedia (TMM)*, 24: 2422-2434, 2022.
12. Xiongli Chai, Feng Shao, **Qiuping Jiang**, Xiangchao Meng, Yo-Sung Ho, "Monocular and binocular interactions oriented deformable convolutional networks for blind quality assessment of stereoscopic omnidirectional images," *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 32(6): 3407-3421, 2022.
13. Wei Zhou, Jiahua Xu, **Qiuping Jiang**, Zhibo Chen, "No-reference quality assessment for 360-degree images by analysis of multi-frequency information and local-global naturalness," *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 32(4): 1778-1791, 2022.
14. Chao Huang, Zehua Yang, Jie Wen, Yong Xu, **Qiuping Jiang**, Jian Yang, Yaowei Wang, "Self-supervision-augmented deep autoencoder for unsupervised visual anomaly detection," *IEEE Transactions on Cybernetics (TCYB)*, 52(12): 13834-13847, 2022.
15. Chao Huang, Zhihao Wu, Jie Wen, Yong Xu, **Qiuping Jiang**, Yaowei Wang, "Abnormal event detection using deep contrastive learning for intelligent video surveillance system," *IEEE Transactions on Industrial Informatics (TII)*, 18(8): 5171-5179, 2022.
16. Gang Chen, Feng Shao, Xiongli Chai, Hangwei Chen, **Qiuping Jiang**, Xiangchao Meng, Yo-Sung Ho, "CGMDRNet: Cross-Guided Modality Difference Reduction Network for RGB-T Salient Object Detection," *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 32(9): 6308-6323, 2022.

• 2021:

1. **Qiuping Jiang**, Zhenyu Peng, Guanghui Yue, Hong Li, Feng Shao, "No-reference image contrast evaluation by generating bi-directional pseudo references," *IEEE Transactions on Industrial Informatics (TII)*, 17(9): 6062-6072, Sept. 2021.
2. Xuejin Wang<sup>#</sup>, **Qiuping Jiang**<sup>#</sup>, Feng Shao, Ke Gu, Guangtao Zhai, Xiaokang Yang, "Exploiting local degradation characteristics and global statistical properties for blind assessment of tone-mapped HDR images," *IEEE Transactions on Multimedia (TMM)*, 23: 692-705, 2021.
3. Junkang Hu, **Qiuping Jiang**<sup>\*</sup>, Runmin Cong, Wei Gao, Feng Shao, "Two-branch deep neural network for underwater image enhancement in HSV color space," *IEEE Signal Processing Letters (SPL)*, 28: 2152-2156, 2021.
4. Sheng Yang, Weisi Lin, Guosheng Lin, **Qiuping Jiang**, Zichuan Liu, "Progressive self-guided loss for salient object detection," *IEEE Transactions on Image Processing (TIP)*, 30: 8426-8438, 2021.
5. Chao Huang, Zongju Peng, Yong Xu, Feng Chen, **Qiuping Jiang**, Yun Zhang, Gangyi Jiang, Yo-Sung Ho, "Online learning-based multi-stage complexity control for live video coding," *IEEE Transactions on Image Processing (TIP)*, 30: 641-656, 2021.

6. Xuejin Wang, Feng Shao, **Qiuping Jiang**, Xiangchao Meng, Yo-Sung Ho, “Measuring coarse-to-fine texture and geometric distortions for quality assessment of DIBR-synthesized images,” *IEEE Transactions on Multimedia (TMM)*, 23: 1173-1186, 2021.
7. Zhenqi Fu, Feng Shao, **Qiuping Jiang**, Xiangchao Meng, Yo-Sung Ho, “Subjective and objective quality assessment for stereoscopic 3D image retargeting,” *IEEE Transactions on Multimedia (TMM)*, 23: 2100-2113, 2021.
8. Xiongli Chai, Feng Shao, **Qiuping Jiang**, Yo-Sung Ho, “Roundness-preserving warping for aesthetic enhancement-based stereoscopic image editing,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 31(4): 1463-1477, 2021.
9. Feng Shao, Zhenqi Fu, **Qiuping Jiang**, Gangyi Jiang, Yo-Sung Ho, “Transformation-aware similarity measurement for image retargeting quality assessment via bi-directional rewarping,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 51(5): 3053-3067, 2021.

• 2020:

1. **Qiuping Jiang**, Wei Zhou, Xiongli Chai, Guanghui Yue, Feng Shao, Zhibo Chen, “A full-reference stereoscopic image quality measurement via hierarchical deep feature degradation fusion,” *IEEE Transactions on Instrumentation and Measurement (TIM)*, 69(12): 9784-9796, 2020.
2. **Qiuping Jiang**, Wei Gao, Shiqi Wang, Guanghui Yue, Feng Shao, Yo-Sung Ho, Sam Kwong, “Blind image quality measurement by exploiting high order statistics with deep dictionary encoding network,” *IEEE Transactions on Instrumentation and Measurement (TIM)*, 69(10): 7398-7410, 2020.
3. Feng Shao, Yanjia Fei, **Qiuping Jiang\***, Xiangchao Meng, Yo-Sung Ho, “Building stereoscopic zoomer via global and local warping optimization,” *IEEE Transactions on Computational Imaging (TCI)*, 6: 1622-1635, 2020.
4. Ke Gu, Xin Xu, Junfei Qiao, **Qiuping Jiang**, Weisi Lin, Daniel Thalmann, “Learning a unified blind image quality metric via on-line and off-line big training instances,” *IEEE Transactions on Big Data (TBD)*, 6(4): 780-791, 2020.
5. Sheng Yang, Guosheng Lin, **Qiuping Jiang**, Weisi Lin, “A dilated inception network for visual saliency prediction,” *IEEE Transactions on Multimedia (TMM)*, 22(8): 2163-2176, 2020.
6. Wujie Zhou, Jingsheng Lei, **Qiuping Jiang**, Lu Yu, Ting Luo, “Blind binocular visual quality predictor using deep fusion network,” *IEEE Transactions on Computational Imaging (TCI)*, 6: 883-893, 2020.
7. Xiongli Chai, Feng Shao, **Qiuping Jiang**, Yo-Sung Ho, “MSTGAR: Multioperator based stereoscopic thumbnail generation with arbitrary resolution,” *IEEE Transactions on Multimedia (TMM)*, 22(5): 1208-1219, 2020.
8. Wei Zhou, **Qiuping Jiang**, Yuwang Wang, Zhibo Chen, Weiping Li, “Blind quality assessment for image superresolution using deep two-stream convolutional networks,” *Information Sciences (INS)*, 528: 205-218, 2020.
9. Xuejin Wang, Meiling Qi, Feng Shao, **Qiuping Jiang**, Xiangchao Meng, “Blind quality assessment for multiply distorted stereoscopic images towards IoT-based 3D capture sys-

tems,” *Journal of Visual Communication and Image Representation*, 71:102868, 2020.

10. Jinbin Hu, Xuejin Wang, Feng Shao, **Qiuping Jiang**, “TSPR: Deep network-based blind image quality assessment using two-side pseudo reference images,” *Digital Signal Processing*, 106:102849, 2020.
11. Yiming Xiong, Feng Shao, Xiangchao Meng, **Qiuping Jiang**, Weiwei Sun, Randi Fu, Yo-Sung Ho, “A large-scale remote sensing database for subjective and objective quality assessment of pansharpened images,” *Journal of Visual Communication and Image Representation*, 73:102947, 2020.
12. Guibiao Liao, Wei Gao, **Qiuping Jiang**, Ronggang Wang, Ge Li, “MMNet: Multi-stage and multi-scale fusion network for RGB-D salient object detection,” in *Proc. of the ACM International Conference on Multimedia (ACM-MM)*, Seattle, WA, USA, 2020.

• 2019:

1. **Qiuping Jiang**, Feng Shao, Wei Gao, Zhuo Chen, Gangyi Jiang, Yo-Sung Ho, “Unified no-reference quality assessment of singly and multiply distorted stereoscopic images,” *IEEE Transactions on Image Processing (TIP)*, 28(4): 1866-1881, 2019. **ESI Highly Cited Paper**
2. **Qiuping Jiang**, Feng Shao, Weisi Lin, Gangyi Jiang, “BLIQUE-TMI: Blind quality evaluator for tone-mapped images based on local and global feature analyses,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 29(2): 323-335, 2019.
3. **Qiuping Jiang**, Feng Shao, Wei Gao, Hong Li, Yo-Sung Ho, “A risk-aware pairwise rank learning approach for visual discomfort prediction of stereoscopic 3D,” *IEEE Signal Processing Letters (SPL)*, 26(11): 1588-1592, 2019.
4. **Qiuping Jiang**, Zhenyu Peng, Sheng Yang, Feng Shao, “Authentically distorted image quality assessment by learning from empirical score distributions,” *IEEE Signal Processing Letters (SPL)*, 26(12): 1867-1871, 2019.
5. Yongqiang Bai, Mei Yu\*, **Qiuping Jiang\***, Gangyi Jiang, Zhongjie Zhu, “Learning content-specific codebooks for blind quality assessment of screen content images,” *Signal Processing (SP)*, 161: 248-258, 2019.
6. Wujie Zhou, Sijia Lv, **Qiuping Jiang**, Lu Yu, “Deep road scene understanding,” *IEEE Signal Processing Letters (SPL)*, 26(4): 587-591, 2019.
7. Wei Gao, Sam Kwong, **Qiuping Jiang**, Chi-Keung Fong, Peter H. W. Wong, Wilson Y. F. Yuen, “Data-Driven rate control for rate distortion optimization in HEVC based on simplified effective initial QP learning,” *IEEE Transactions on Broadcasting (TBC)*, 65(1): 94-108, 2019.
8. Sheng Yang, **Qiuping Jiang**, Weisi Lin, Yongtao Wang, “SGDNet: An end-to-end saliency-guided deep neural network for no-reference image quality assessment,” in *Proc. of the ACM International Conference on Multimedia (ACM-MM)*, Nice, France, 2019.
9. Chao Huang, Zongju Peng, Fen Chen, **Qiuping Jiang**, Xin Cui, Gangyi Jiang, “Encoding complexity control for live video applications: an interpretable machine learning approach,”

in *Proc. of the IEEE International Conference on Multimedia and Expo (ICME)*, Shanghai, China, 2019.

• 2018:

1. **Qiuping Jiang**, Feng Shao, Weisi Lin, Gangyi Jiang, “Learning sparse representation for objective image retargeting quality assessment,” *IEEE Transactions on Cybernetics (TCYB)*, 48(4): 1276-1289, 2018.
2. **Qiuping Jiang**, Feng Shao, Weisi Lin, Ke Gu, Gangyi Jiang, Huifang Sun, “Optimizing multistage discriminative dictionaries for blind image quality assessment,” *IEEE Transactions on Multimedia (TMM)*, 20(8): 2035-2048, 2018. **ESI Highly Cited Paper**
3. **Qiuping Jiang**, Feng Shao, Weisi Lin, Gangyi Jiang, “Learning a referenceless stereopair quality engine with deep non-negativity constrained sparse auto-encoder,” *Pattern Recognition (PR)*, 76: 242-255, 2018.
4. Guanghui Yue, Chunping Hou, **Qiuping Jiang\***, Yang Yang, “Blind stereoscopic 3D image quality assessment via analysis of naturalness, structure, and binocular asymmetry,” *Signal Processing (SP)*, 150: 204-214, 2018.
5. Feng Shao, Ying Gao, **Qiuping Jiang**, Gangyi Jiang, Yo-Sung Ho, “Multistage pooling for quality prediction of asymmetric multiply distorted stereoscopic images,” *IEEE Transactions on Multimedia (TMM)*, 20(10): 2605-2619, 2018.
6. Feng Shao, Zhuqing Zhang, **Qiuping Jiang**, Weisi Lin, Gangyi Jiang, “Towards domain transfer for no-reference quality prediction of asymmetrically distorted stereoscopic images,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 28(3): 573-585, 2018.
7. Fucui Li, Feng Shao, **Qiuping Jiang**, Randi Fu, Gangyi Jiang, Mei Yu, “Local and global sparse representation for no-reference quality assessment of stereoscopic images,” *Information Sciences (INS)*, 422: 110-121, 2018.
8. Zhenqi Fu, Feng Shao, **Qiuping Jiang**, Randi Fu, Yo-Sung Ho, “Quality assessment of retargeted images using hand-crafted and deep-learned features,” *IEEE Access*, 6: 12008-12018, 2018.
9. Chao Huang, Zongju Peng, Fen Chen, **Qiuping Jiang**, Gangyi Jiang, “Efficient CU and PU decision based on neural network and gray level co-occurrence matrix for intra prediction of screen content coding,” *IEEE Access*, 6: 46643-46655, 2018.
10. Feng Shao, Yan Yang, **Qiuping Jiang**, Gangyi Jiang, Yo-Sung Ho, “Automated quality assessment of fundus images via analysis of illumination, naturalness and structure,” *IEEE Access*, 6: 806-817, 2018.

• 2017 & Before:

1. **Qiuping Jiang**, Feng Shao, Gangyi Jiang, Mei Yu, Zongju Peng, “Visual comfort assessment for stereoscopic images based on sparse coding with multi-scale dictionaries,” *Neurocomputing (NEUCOM)*, 252 : 77-86, 2017.
2. **Qiuping Jiang**, Feng Shao, Weisi Lin, Gangyi Jiang, “On predicting visual comfort of stereoscopic images: A learning to rank based approach,” *IEEE Signal Processing Letters (SPL)*, 23(2): 302-306, 2016.



3. **Qiuping Jiang**, Feng Shao, Gangyi Jiang, Mei Yu, Zongju Peng, “Supervised dictionary learning for blind image quality assessment using quality-constraint sparse coding,” *Journal of Visual Communication and Image Representation (JVCI)*, 33: 123-133, 2015. **2017 JVCI Best Paper Hornerable Mention Award**
4. **Qiuping Jiang**, Feng Shao, Gangyi Jiang, Mei Yu, Zongju Peng, Changhong Yu, “A depth perception and visual comfort guided computational model for stereoscopic 3D visual saliency,” *Signal Processing: Image Communication (SPIC)*, 38: 57-69, 2015.
5. **Qiuping Jiang**, Feng Shao, Gangyi Jiang, Mei Yu, Zongju Peng, “Leveraging visual attention and neural activity for stereoscopic 3D visual comfort assessment,” *Multimedia Tools and Applications (MTAP)*, 76(7): 9405-9425, 2017.
6. **Qiuping Jiang**, Feng Shao, Gangyi Jiang, Mei Yu, Zongju Peng, “Three-dimensional visual comfort assessment via preference learning,” *Journal of Electronic Imaging (JEI)*, 24(4): 043002, 2015. **Featured Article**
7. **Qiuping Jiang**, Feng Shao, Gangyi Jiang, “MSFE: Blind image quality assessment based on multi-stage feature encoding,” in *Proc. of the IEEE International Conference on Image Processing (ICIP)*, Beijing, China, 2017.
8. **Qiuping Jiang**, Feng Shao, Gangyi Jiang, Mei Yu, Zongju Peng, “Supervised dictionary learning for blind image quality assessment,” in *Proc. of the IEEE International Conference on Visual Communications and Image Processing (VCIP)*, Singapore, 2015.
9. Feng Shao, Wenchong Lin, Weisi Lin, **Qiuping Jiang**, Gangyi Jiang, “QoE-guided warping for stereoscopic image retargeting,” *IEEE Transactions on Image Processing (TIP)*, 26(10): 4790-4805, 2017.
10. Feng Shao, **Qiuping Jiang**, Randi Fu, Mei Yu, Gangyi Jiang, “Optimizing visual comfort for stereoscopic 3D display based on color-plus-depth signals,” *Optics Express (OE)*, 24(11): 11640-11653, 2016.
11. Feng Shao, Libo Shen, **Qiuping Jiang**, Randi Fu, Gangyi Jiang, “StereoEditor: Controllable stereoscopic display by content retargeting,” *Optics Express (OE)*, 25(26): 33202-33215, 2017.

## HONORS & AWARDS

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- 2022 Zhejiang Provincial Science and Technology Award
- 2021 Ningbo Municipal Science and Technology Award
- 2021 Distinguished Youth Scholar Funding by Zhejiang Provincial Natural Science Foundation
- 2020 East Zhejiang Young Scholar by Ningbo University
- 2019 Top Talent of Ningbo Municipality
- 2019 Innovative Talents of Ningbo Municipal Pan-3315 Plan
- 2019 Zhejiang Provincial Outstanding Doctoral Dissertation Nomination Award
- 2019 Second Prize of Outstanding Scientific Paper Award by Ningbo Municipality

- 2018 Outstanding Doctoral Dissertation Award by Ningbo University
- 2018 First Prize of Cao Guangbiao Scientific Achievements Award by Ningbo University
- 2017 Elsevier JVCi Best Paper Honorable Mention Award

## ACADEMIC ACTIVITIES

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- **Associate Editor:**

- *IET Image Processing*, Since 2022
- *Journal of Electronic Imaging*, Since 2022
- *APSIPA Transactions on Signal and Information Processing*, Since 2021

- **Conference Organizer:**

- Special Session on *Multi-source Data Processing and Analysis: Models, Methods and Applications*, APSIPA ASC 2019
- Youth Special Session on *Multimedia Intelligent Coding, Perception and Representation*, ChinaMM 2020

- **Professional Memberships:**

- Member of IEEE (2018-)
- Member of China Society of Image and Graphics (CSIG) (2018-)
- Member of China Computer Federation (CCF) (2018-)
- Member of Chinese Association for Artificial Intelligence (CAAI) (2019-)

- **Reviewer for Journals:** ACM Computing Survey, ACM Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP), IEEE Transactions on Image Processing (TIP), IEEE Transactions on Neural Networks and Learning Systems (TNNLS), IEEE Transactions on Cybernetics (TCYB), IEEE Transactions on Medical Imaging (TMI), IEEE Transactions on Multimedia (TMM), IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), IEEE Transactions on Broadcasting (TBC), IEEE Transactions on Industrial Electronics (TIE), IEEE Transactions on Industrial Informatics (TII), IEEE Transactions on Instrumentation and Measurement (TIM), IEEE Internet of Things Journal (IOTJ), IEEE Multimedia Magazine (MM), IEEE Transactions on Emerging Topics in Computational Intelligence (TETCI), IEEE Signal Processing Letters (SPL), IEEE Journal of Oceanic Engineering (JOE), Neurocomputing (NEUCOM), Signal Processing (SP), Journal of Visual Communication and Image Representation (JVCi), Signal Processing: Image Communication (SPIC)

- **Area Chair/TPC Member for Conferences:** ACM International Conference on Multimedia (ACM MM), AAAI Conference on Artificial Intelligence (AAAI), International Joint Conference on Artificial Intelligence (IJCAI), IEEE International Conference on Multimedia and Expo (ICME), IEEE International Conference on Image Processing (ICIP), IEEE Visual Communications and Image Processing Conference (VCIP), Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), National Congress on Image and Graphics (NCIG)