Runmin Cong

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OVERVIEW

- I am currently an **Associate Professor** with the Institute of Information Science, and also with the Beijing Key Laboratory of Advanced Information Science and Network Technology, Beijing Jiaotong University, Beijing, China. I received my Ph.D. degree (2019) in Information and Communication Engineering from Tianjin University, China. I used to be a Research Student/Staff with Nanyang Technological University (NTU), Singapore, and the City University of Hong Kong (CityU), Hong Kong SAR, China.

- I have published 50+ papers in prestigious international journals and conferences including **32 IEEE Trans/CCF A papers**, **6 ESI highly cited papers**, and 16 China patents have been authorized. The H-index is 23, and the Google Scholar citations reach 2000+.

- I am a member of IEEE, ACM, APSIPA IVM, CCF, CSIG, and CAAI. I also serve as an **Associate Editor** of the Signal, Image and Video Processing, the **Guest Editor** for the IEEE Journal of Oceanic Engineering, Signal Processing : Image Communication, Multimedia Tools and Applications, and the Area Chair/Session Chair/PC member of NeurIPS/CVPR/ICCV/ICML/IJCAI/AAAI/ACM MM/ICME/VCIP.

- I was a recipient of the **Best Student Paper Award Runner-Up at IEEE ICME 2018**, the **Beijing Nova Program**, the **Young Elite Scientist Sponsorship Program by the China Association for Science and Technology**, the **ACM SIGWEB China Rising Star Award**, **First Prize for Scientific and Technological Progress Award of Tianjin Municipality**, **IEEE CVPR Outstanding Reviewer**, **Excellent Doctorial Dissertation Award from China Society of Image and Graphics (CSIG)**, **Excellent Scientific Paper Award for Beijing Youth**.

RESEARCH INTERESTS

- Computer Vision and Artificial Intelligence

- Attention Perception and Saliency Computation

- Interpretation and Analysis of Remote Sensing Image

- Visual Content Enhancement in An Open Environment

- Multimedia Big Data Understanding and Application

EDUCATION & WORK EXPERIENCE

Hong Kong Scholars Program   2021/10-now
Department of Computer Science
City University of Hong Kong (CityU), Hong Kong SAR, China
Collaborator: Chair Prof. Sam Kwong (IEEE Fellow)

Associate Professor   2019/07-now
Institute of Information Science (IIS), Center of Digital Media Information Processing (MePro)
Beijing Key Laboratory of Advanced Information Science and Network Technology
Beijing Jiaotong University (BJTU), Beijing, China
Team Leader: "Chang Jiang Scholars Program" Professor Yao Zhao (IET Fellow)

Research Associate   2018/05-2019/05
Department of Computer Science
City University of Hong Kong (CityU), Hong Kong SAR, China
Collaborator: Chair Prof. Sam Kwong (IEEE Fellow)

Research Assistant   2016/12-2017/02
School of Computer Science and Engineering
Nanyang Technological University (NTU), Singapore
Collaborator: Prof. Weisi Lin (IEEE/IET Fellow)

Ph.D. Information and Communication Engineering   2015/09-2019/06
Tianjin University (TJU), Tianjin, China
Thesis: Research on Visual Saliency Detection with Comprehensive Information
Supervisor: Chair Prof. Qingming Huang (IEEE Fellow) and Prof. Jianjun Lei

SELECTED PUBLICATIONS

- **Book:**

  2. Runmin Cong, Hao Chen, Hongyuan Zhu, Huazhu Fu, "Foreground detection and segmentation in RGB-D images", in *Paul Rosin, Yukun Lai, Yonghuai Liu, Ling Shao, RGB-D Image Analysis and Processing,* Springer, **ISBN 978-3-030-28602-6**, (2019). (**Book Chapter**)

  1. Chongyi Li, Huazhu Fu, Miao Yang, Runmin Cong, Chunle Guo, "Deep retinal image non-uniform illumination removal", in *Zhenghua Chen, Min Wu, and Xiaoli Li, Generalization with Deep Learning: For Improvement on Sensing Capability,* World Scientific, **ISBN 978-981-121-883-5**, (2021). (**Book Chapter**)

- **Journal:**

  36. Runmin Cong, Jianjun Lei, Huazhu Fu, Ming-Ming Cheng, Weisi Lin, Qingming Huang, "Review of visual saliency detection with comprehensive information", *IEEE Transactions*

on Circuits and Systems for Video Technology, **29(10)**, pp. 2941-2959 (2019). (SCI, IF=4.133) **(ESI Highly Cited Paper)**

35. Runmin Cong, Jianjun Lei, Huazhu Fu, Junhui Hou, Qingming Huang, Sam Kwong, "Going from RGB to RGBD saliency: A depth-guided transformation model", *IEEE Transactions on Cybernetics,* **50(8)**, pp. 3627-3639 (2020). (SCI, IF=11.079) **(ESI Highly Cited Paper)**

34. Runmin Cong, Yumo Zhang, Leyuan Fang, Jun Li, Yao Zhao, and Sam Kwong, "RRNet: Relational reasoning network with parallel multi-scale attention for salient object detection in optical remote sensing images", *IEEE Transactions on Geoscience and Remote Sensing,* **In Press**, (2021). (SCI, IF=5.855)

33. Runmin Cong, Jianjun Lei, Huazhu Fu, Weisi Lin, Qingming Huang, Xiaochun Cao, Chunping Hou, "An iterative co-saliency framework for RGBD images", *IEEE Transactions on Cybernetics,* **49(1)**, pp. 233-246 (2019). (SCI, IF=11.079)

32. Runmin Cong, Jianjun Lei, Huazhu Fu, Fatih Porikli, Qingming Huang, Chunping Hou, "Video saliency detection via sparsity-based reconstruction and propagation", *IEEE Transactions on Image Processing,* **28(10)**, pp. 4819-4831 (2019). (SCI, IF=9.340)

31. Runmin Cong, Jianjun Lei, Huazhu Fu, Qingming Huang, Xiaochun Cao, Chunping Hou, "Co-saliency detection for RGBD images based on multi-constraint feature matching and cross label propagation", *IEEE Transactions on Image Processing,* **27(2)**, pp. 568-579 (2018). (SCI, IF=9.340)

30. Runmin Cong, Jianjun Lei, Huazhu Fu, Qingming Huang, Xiaochun Cao, Nam Ling, "HSCS: Hierarchical sparsity based co-saliency detection for RGBD images", *IEEE Transactions on Multimedia,* **21(7)**, pp. 1660-1671 (2019). (SCI, IF=6.051)

29. Qijian Zhang, Runmin Cong†, Chongyi Li, Ming-Ming Cheng, Yuming Fang, Xiaochun Cao, Yao Zhao, Sam Kwong, "Dense attention fluid network for salient object detection in optical remote sensing images", *IEEE Transactions on Image Processing,* **30**, pp. 1305-1317 (2021). (†**co-first and corresponding author**, SCI, IF=9.340)

28. Zuyao Chen*, Runmin Cong*, Qianqian Xu, Qingming Huang, "DPANet: Depth potentiality-aware gated attention network for RGB-D salient object detection", *IEEE Transactions on Image Processing,* **30**, pp. 7012-7024 (2021). (* **equal contribution**, SCI, IF=9.340)

27. Chongyi Li, Runmin Cong†, Junhui Hou, Sanyi Zhang, Yue Qian, Sam Kwong, "Nested network with two-stream pyramid for salient object detection in optical remote sensing images", *IEEE Transactions on Geoscience and Remote Sensing,* **57(11)**, pp. 9156-9166 (2019). (†**co-first and corresponding author**, SCI, IF=5.855)

26. Chongyi Li, Runmin Cong†, Sam Kwong, Junhui Hou, Huazhu Fu, Guopu Zhu, Dingwen Zhang, Qingming Huang, "ASIF-Net: Attention steered interweave fusion network for RGBD salient object detection", *IEEE Transactions on Cybernetics,* **50(1)**, pp. 88-100 (2021).(†**co-first and corresponding author**, SCI, IF=11.079) **(ESI Highly Cited Paper)**

25. Runmin Cong, Jianjun Lei, Changqing Zhang, Qingming Huang, Xiaochun Cao, Chunping Hou, "Saliency detection for stereoscopic images based on depth confidence analysis and multiple cues fusion", *IEEE Signal Processing Letters,* **23(6)**, pp. 819-823 (2016). (SCI, IF=3.105)

24. Runmin Cong, Ping Han, Chongyi Li, Jiaji He, Zaiji Zhang, "Manmade target extraction based on multi-stage decision and its application for change detection in polarimetric synthetic aperture radar image", *Journal of Electronic Imaging,* **25(5)**, pp. 1-13 (2016). (SCI, IF=0.884)

23. Min Ni, Jianjun Lei, Runmin Cong**, Kaifu Zheng, Bo Peng, Xiaoting Fan, "Color-guided depth map super resolution using convolutional neural network", *IEEE Access,* **2**, pp. 26666-26672 (2017). (**corresponding author**, SCI, IF=3.745)

22. Chongyi Li, Runmin Cong†, Chunle Guo, Hua Li, Chunjie Zhang, Feng Zheng, Yao Zhao, " A parallel down-up fusion network for salient object detection in optical remote sensing images", *Neurocomputing,* **415**, pp. 411-420 (2020).

    (†**co-first and corresponding author**, SCI, IF=4.438)

21. Ping Han, Binbin Han, Xiaoguang Lu, Runmin Cong**, Dandan Sun, "Unsupervised classification of PolSAR images based on multi-level feature extraction", *International Journal of Remote Sensing,* **41(2)**, pp. 534-548 (2020). (**corresponding author**, SCI, IF=2.976)

20. Hua Li*, Runmin Cong*, Sam Kwong, Chuanbo Chen, Qianqian Xu, Chongyi Li, "Stereo superpixel: An iterative framework based on parallax consistency and collaborative optimization", *Information Sciences,* **556**, pp. 209-222 (2021). (* **equal contribution**, SCI, IF=5.910)

19. Chongyi Li, Chunle Guo, Wenqi Ren, Runmin Cong, Junhui Hou, Sam Kwong, Dacheng Tao, "An underwater image enhancement benchmark dataset and beyond", *IEEE Transactions on Image Processing,* **29**, pp. 4376-4389 (2020). (SCI, IF=9.340) **(ESI Highly Cited Paper)**

18. Chongyi Li, Saeed Anwar, Junhui Hou, Runmin Cong, Chunle Guo, Wenqi Ren, "Underwater image enhancement via medium transmission-guided multi-color space embedding", *IEEE Transactions on Image Processing,* **30**, pp. 4985-5000 (2021). (SCI, IF=9.340)

17. Hongfa Wen, Chenggang Yan, Xiaofei Zhou, Runmin Cong, Yaoqi Sun, Bolun Zheng, Jiyong Zhang, Yongjun Bao, Guiguang Ding, "Dynamic selective network for RGB-D salient object detection", *IEEE Transactions on Image Processing,* **In Press**, (2021). (SCI, IF=9.340)

16. Chunjie Zhang, Runmin Cong, Yao Zhao, "Structure decomposition of visual-semantic correlations for image classification with varied levels of supervision", *IEEE Transactions on Image Processing,* **In Press**, (2021). (SCI, IF=9.340)

15. Yawen Huang, Feng Zheng, Runmin Cong, Weilin Huang, Matthew R. Scott, Ling Shao, "MCMT-GAN: Multi-task coherent modality transferable GAN for 3D brain image synthesis", *IEEE Transactions on Image Processing,* **29**, pp. 8187-8198 (2020). (SCI, CCF A, IF=9.340)

14. Chunle Guo, Chongyi Li, Jichang Guo, Runmin Cong, Huazhu Fu, Ping Han, "Hierarchical features driven residual learning for depth map super-resolution", *IEEE Transactions on Image Processing,* **28(5)**, pp. 2545-2557 (2019). (SCI, IF=9.340)

13. Chongyi Li, Jichang Guo, Runmin Cong, Yanwei Pang, Bo Wang, "Underwater image enhancement by dehazing with minimum information loss and histogram distribution prior", *IEEE Transactions on Image Processing,* **25(12)**, pp. 5664-5677 (2016). (SCI, IF=9.340) **(ESI Highly Cited Paper)**

12. Hua Li, Yuheng Jia, <u>Runmin Cong</u>, Sam Kwong, Chuanbo Chen, "Superpixel segmentation based on spatially constrained subspace clustering", *IEEE Transactions on Industrial Informatics,* **In Press**, (2021). (SCI, IF=9.112)

11. Hua Li, Sam Kwong, Chuanbo Chen, Yuheng Jia, <u>Runmin Cong</u>, "Superpixel segmentation based on square-wise asymmetric partition and structural approximation", *IEEE Transactions on Multimedia,* **21(10)** , pp. 2625-2637 (2019). (SCI, IF=6.051)

10. Chongyi Li, Chunle Guo, Jichang Guo, Ping Han, Huazhu Fu, <u>Runmin Cong</u>, "PDR-Net: Perception-inspired single image dehazing network with refinement", *IEEE Transactions on Multimedia,* **28(5)**, pp. 2545-2557 (2019). (SCI, IF=6.051)

9. Yudong Mao, Qiuping Jiang, <u>Runmin Cong</u>, Wei Gao, Feng Shao, Sam Kwong, "Cross-modality fusion and progressive integration network for saliency prediction on stereoscopic 3D images", *IEEE Transactions on Multimedia,* **In Press**, (2021). (SCI, IF=6.051)

8. Ning Yang, Qihang Zhong, Kun Li, <u>Runmin Cong**</u>, Yao Zhao, Sam Kwong, "A reference-free underwater image quality assessment metric in frequency domain", *Signal Processing: Image Communication,* **94**, pp. 1-10 (2021). (**corresponding author**, SCI, IF=2.779)

7. Junkang Hu, Qiuping Jiang, <u>Runmin Cong</u>, Wei Gao, Feng Shao, "Two-Branch deep neural network for underwater image enhancement in HSV color space", *IEEE Signal Processing Letters,* **In Press**, (2021). (SCI, IF=3.105)

6. Ling Du, Anthony T.S. Ho, <u>Runmin Cong</u>, "Perceptual hashing for image authentication: A survey", *Signal Processing: Image Communication,* **81**, pp. 1-23 (2020). (SCI, IF=2.779)

5. Mengxin Han, <u>Runmin Cong</u>, Xinyu Li, Huazhu Fu, Jianjun Lei, "Joint spatial-spectral hyperspectral image classification based on convolutional neural network", *Pattern Recognition Letters,* **130**, pp. 38-45 (2020). (SCI, IF=3.255) **(ESI Highly Cited Paper)**

4. Chongyi Li, Jichang Guo, Chunle Guo, <u>Runmin Cong</u>, Jiachang Gong, "A hybrid method for underwater image correction", *Pattern Recognition Letters,* **94**, pp. 62-67 (2017). (SCI, IF=3.255)

3. Chongyi Li, Jichang Guo, Bo Wang, <u>Runmin Cong</u>, Yan Zhang, Jian Wang, "Single underwater image enhancement based on color cast removal and visibility restoration", *Journal of Electronic Imaging,* **25(3)**, pp. 1-16 (2016). (SCI, IF=0.884)

2. <u>Runmin Cong</u>, Jianjun Lei, Huazhu Fu, Wenguan Wang, Qingming Huang, Lijie Niu, "Research progress of video saliency detection", *Journal of Software,* **29(8)**, pp. 2527?2544 (2018). (EI)

1. Ping Han, <u>Runmin Cong</u>, Zaiji Zhang, "Change detection algorithm of polarimetric SAR image based on polarization state extracting", *Systems Engineering and Electronics,* **37(7)**, pp. 1526-1530 (2015). (EI)

- **Conference:**

13. Qijian Zhang, <u>Runmin Cong</u>†, Junhui Hou, Chongyi Li, Yao Zhao, "CoADNet: Collaborative aggregation-and-distribution networks for co-salient object detection", *Thirty-fourth Conference on Neural Information Processing Systems (NeurIPS),* **Poster**, pp. 1-12 (2020). (†**co-first and corresponding author**, CCF A)

12. Chen Zhang, <u>Runmin Cong**</u>, Qinwei Lin, Lin Ma, Feng Li, Yao Zhao, Sam Kwong, "Cross-modality discrepant interaction network for RGB-D salient object detection", *ACM*

International Conference on Multimedia (ACM MM), **Poster**, pp. 2094-2102 (2021). (** **corresponding author**, CCF A)

11. Qi Tang, Runmin Cong**, Ronghui Sheng, Lingzhi He, Dan Zhang, Yao Zhao, Sam Kwong, "BridgeNet: A joint learning network of depth map super-resolution and monocular depth estimation", *ACM International Conference on Multimedia (ACM MM),* **Poster**, pp. 2148-2157 (2021). (** **corresponding author**, CCF A)

10. Dong Jing, Shuo Zhang, Runmin Cong, Youfang Lin, "Occlusion-aware bi-directional guided network for light field salient object detection", *ACM International Conference on Multimedia (ACM MM),* **Poster**, pp. 1692-1701 (2021). (CCF A)

9. Lingzhi He, Hongguang Zhu, Feng Li, Huihui Bai, Runmin Cong, Chunjie Zhang, Chunyu Lin, Meiqin Liu, Yao Zhao, "Towards fast and accurate real-world depth super-resolution: Benchmark dataset and baseline", *IEEE Conference on Computer Vision and Pattern Recognition (CVPR),* **Poster**, pp. 9229-9238 (2021). (CCF A)

8. Chongyi Li, Runmin Cong†, Yongri Piao, Qianqian Xu, Chen Change Loy, "RGB-D salient object detection with cross-modality modulation and selection ", *European Conference on Computer Vision (ECCV),* **Poster**, pp. 225-241 (2020).

   (†**co-first and corresponding author**)

7. Chunle Guo, Chongyi Li, Jichang Guo, Chen Change Loy, Junhui Hou, Sam Kwong, Runmin Cong, "Zero-reference deep curve estimation for low-light image enhancement", *IEEE Conference on Computer Vision and Pattern Recognition (CVPR),* **Poster**, pp. 1780-1789 (2020). (CCF A)

6. Feng Li*, Runmin Cong*, Huihui Bai, Yifan He, "Deep interleaved network for image super-resolution with asymmetric co-attention", *International Joint Conference on Artificial Intelligence (IJCAI),* **Poster**, pp. 534-543 (2020). (***equal contribution**, CCF A)

5. Zuyao Chen, Qianqian Xu, Runmin Cong, Qingming Huang, "Global context-aware progressive aggregation network for salient object detection", *Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI),* **Oral**, pp. 10599-10606 (2020). (CCF A)

4. Chongyi Li, Huazhu Fu, Runmin Cong**, Zechao Li, Qianqian Xu, "NuI-Go: Recursive non-local encoder-decoder network for retinal image non-uniform illumination removal", *ACM International Conference on Multimedia (ACM MM),* **Poster**, pp. 1478-1487 (2020). (****corresponding author**, CCF A)

3. Peisong Wen, Ruolin Yang, Qianqian Xu, Chen Qian, Qingming Huang, Runmin Cong, Jianlou Si, "DMVOS: Discriminative matching for real-time video object segmentation", *ACM International Conference on Multimedia (ACM MM),* **Poster**, pp. 2048-2056 (2020). (CCF A)

2. Yonghua Zhang, Liang Li, Runmin Cong, Xiaojie Guo, Hui Xu, Jiawan Zhang, "Co-saliency detection via hierarchical consistency measure", *IEEE International Conference on Multimedia and Expo (ICME),* **Oral**, pp. 1-6 (2018). **(Best Student Paper Runner-Up)**

1. Xuan Liu, Yumo Zhang, Runmin Cong**, Chen Zhang, Ning Yang, Chunjie Zhang, Yao Zhao, "GGRNet: Global graph reasoning network for salient object detection in optical remote sensing images", *The 4th Chinese Conference on Pattern Recognition and Computer Vision (PRCV),* **Poster**, pp. 584C596 (2021). (****corresponding author**)

HONORS & AWARDS

- 2021 Young Elite Scientist Sponsorship Program by the China Association for Science and Technology

- 2020 Beijing Nova Program

- 2020 Hong Kong Scholars Program

- 2021 ACM SIGWEB China Rising Star Award

- 2021 IEEE CVPR Outstanding Reviewer

- 2020 Young Elite Scientist Sponsorship Program by the Beijing Association for Science and Technology

- 2019 Excellent Doctorial Dissertation Award from CSIG (only 10 people in China)

- 2019 The 15th Excellent Scientific Paper Award for Beijing Youth

- 2021 Youth Talent Development Program of Beijing Jiaotong University

- 2019 Excellent Doctorial Dissertation Award from BSIG (only 6 people in Beijing-Tianjin-Hebei Region)

- 2018 IEEE ICME Best Student Paper Runner-Up

- 2018 First Prize for Scientific and Technological Progress Award of Tianjin Municipality

PROJECTS

- (**Principal Investigator**) "Research on visual salient object detection for RGB-D data", The National Natural Science Foundation of China, 2021/01-2023/12

- (**Principal Investigator**) "Research on salient object detection for multi-source and multi-modal data", The Fundamental Research Funds for the Central Universities, 2019/07-2021/03

- (**Principal Investigator**) "Research on stereo saliency analysis and super-resolution reconstruction empowered by deep learning", The Beijing Nova Program, 2020/09-2023/08

- (**Principal Investigator**) "Research on salient object detection for RGB-D images", China Postdoctoral Science Foundation (Special Program), 2020/06-2021/06

- (**Principal Investigator**) "Research on visual salient object detection in the context of multi-source data", China Postdoctoral Science Foundation (General Program), 2019/12-2021/06

- (**Principal Investigator**) "Research on visual saliency detection with comprehensive information", Outstanding Doctoral Dissertation Foundation of Tianjin University, 2018/11-2019/05

- (Principal Participator) "Real-time real 3D display technology for big data applications", The National Key R&D Program of China, 2016/08-2019/06

ACADEMIC ACTIVITIES

- **Associate Editor:**
  - Signal, Image and Video Processing (SIVP, IF: 1.894), Since 2020

- **Guest Editor:**
  - Special Issue on *Advanced Machine Learning Methodologies for Underwater Image and Video Processing and Analysis*

    IEEE Journal of Oceanic Engineering (JOE, IF: 3.554), 2021-2022
  - Special Issue on *Visual Information Processing for Underwater Images and Videos: Theories, Algorithms, and Applications*

    Signal Processing : Image Communication (SPIC, IF: 2.814), 2020-2021
  - Special Issue on *Depth-Related Processing and Applications in Visual Systems*

    Multimedia Tools and Applications (MTAP, IF: 2.101), 2020-2021

- **Conference Organizer:**
  - Challenge Session on *Real DSR Challenge: Real World Depth Map Super-Resolution on the RGB-D-D Dataset*, ACM ICMR 2021
  - Special Session on *Recent Advance in Depth-Related Processing and Applications*, IEEE ICME 2021
  - Special Session on *Multi-source Data Processing and Analysis: Models, Methods and Applications*, APSIPA ASC 2019

- **Professional Affiliations:**
  - Member of IEEE (2019-)
  - Member of ACM (2021-)
  - Member of APSIPA Technical Committee on Image, Video, and Multimedia (APSIPA IVM) (2020-)
  - Council Member of Beijing Society of Image and Graphics (BSIG) (2021-)
  - Executive Area Chair (EAC) of the VALSE (2021-2022)
  - Vice Secretary-General of CSIG Working Committee for Elite Young Professionals (2021-)
  - Council Member of Beijing Society of Image and Graphics (BSIG) (2021-)
  - Senior Member of China Society of Image and Graphics (CSIG) (2021-)
  - Member of China Computer Federation (CCF) (2019-)
  - Member of Chinese Association for Artificial Intelligence (CAAI) (2019-)
  - Member of Chinese Institute of Electronics (CIE) (2020-)
  - Member of Beijing Society of Image and Graphics (BSIG) (2019-)

- **Reviewer for Journals:** IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), International Journal of Computer Vision (IJCV), IEEE Transactions on Image Processing (TIP), IEEE Transactions on Neural Networks and Learning Systems (TNNLS), IEEE Transactions on Cybernetics (TCyb), IEEE Transactions on Multimedia (TMM), IEEE

Transactions on Circuits and Systems for Video Technology (TCSVT), IEEE Transactions on Industrial Electronics (TIE), IEEE Transactions on Industrial Informatics (TII), IEEE Transactions on Geoscience and Remote Sensing (TGRS), IEEE Transactions on Computational Imaging (TCI), IEEE Transactions on Cognitive and Developmental Systems (TCDS), IEEE Transactions on Emerging Topics in Computational Intelligence (TETCI), ACM Transactions on Intelligent Systems and Technology (TIST), IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS), IEEE Journal of Oceanic Engineering (JOE), IEEE Geoscience and Remote Sensing Letters (GRSL), Pattern Recognition, Neural Networks, Neurocomputing, Journal of Visual Communication and Image Representation (JVCIR), Image and Vision Computing, The Visual Computer, BMC Medical Imaging

- **AC/PC Member/Reviewer for Conferences:** Conference on Neural Information Processing Systems (NeurIPS), IEEE Conference on Computer Vision and Pattern Recognition (CVPR), IEEE International Conference on Computer Vision (ICCV), International Conference on Machine Learning (ICML), 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 Visual Communications and Image Processing Conference (VCIP), Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), Pacific Graphics (PG) , IEEE International Symposium on Mixed and Augmented Reality (ISMAR), Asian Conference on Pattern Recognition (ACPR), International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI)