Chen Chen

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EDUCATION

The University of Texas at Dallas (UTD), Richardson, Texas, USA

- Ph.D. in Electrical Engineering   Aug 2012 – May 2016
  - Thesis: Fusion of Depth and Inertial Sensing for Human Action Recognition
  - Advisers: Prof. Nasser Kehtarnavaz (UTD) and Prof. Roozbeh Jafari (Texas A&M University)

Mississippi State University, Starkville, Mississippi, USA

- M.S. in Electrical Engineering   Aug 2009 – May 2012
  - Thesis: Multihypothesis Prediction for Compressed Sensing and Super-resolution of Images
  - Adviser: Prof. James Fowler

Beijing Forestry University, Beijing, China

- B.S. in Automation   Sep 2005 – Jun 2009

RESEARCH INTERESTS

§ Computer vision and machine learning
  - Deep learning (Deep Autoencoder, Deep CNN, Deep LSTM, Generative Model), Sparse representation, Human action recognition, Action detection, Object tracking, Semantic segmentation, Multimodal fusion

§ Signal, image and video processing
  - Compressive sensing, Image compression and reconstruction, Image super-resolution

§ Remote sensing
  - Hyperspectral image semantic segmentation, Land-use scene classification, Geo-localization

PROFESSIONAL EXPERIENCE

◇ **Assistant Professor**   Jul 2018 – present

Department of Electrical and Computer Engineering,
University of North Carolina at Charlotte, Charlotte, NC

◇ **Postdoc Associate**   Jul 2016 – Jun 2018

Center for Research in Computer Vision,
University of Central Florida, Orlando, FL
Supervisor: Dr. Mubarak Shah

◇ **Research Assistant**   Aug 2012 – May 2016

Signal and Image Processing Lab,
Department of Electrical Engineering,
University of Texas at Dallas, Richardson, TX

◇ **Research Assistant**   Aug 2011 – May 2012

Geosystems Research Institute,
Mississippi State University, Starkville, MS

TEACHING & MENTORING EXPERIENCE

Course Instructor

- **Fall 2018**, Department of Electrical and Computer Engineering, University of North Carolina at Charlotte
  - *Course*: ECGR 6090 – Special Topics: Deep Learning in Computer Vision

- **Spring 2018**, Department of Computer Science, University of Central Florida
  - *Course*: CAP4453-18Spring 0W61 – Robot Vision (total enrollment: 45 students)

Graduate Teaching Assistant   Aug 2009 – Aug 2011

My responsibilities as a teaching assistant included teaching a weekly recitation section, holding office hours, grading homework, and supervising team-based final projects.

- Department of Electrical and Computer Engineering, Mississippi State University
  - *Course*: ECE 3443 Signal and System (Summer 2010, Fall 2010, Summer 2011)
  - *Course*: ECE 3413 Introduction to Electronic Circuits (Fall 2009, Spring 2010)
  - *Course*: ECE 3183 Electric Engineering Systems (Spring 2011)

AWARDS & SCHOLARSHIPS	▪ 2016 David Daniel Fellowship Award (best dissertation award), University of Texas at Dallas, May 2016. ▪ Top 10% Award, "UTD-MHAD: A Multimodal Dataset for Human Action Recognition Utilizing a Depth Camera and a Wearable Inertial Sensor," *IEEE International Conference on Image Processing (ICIP)*, Quebec city, Canada, September 2015. ▪ PhD Research Small Grant Award, the Office of Vice President for Research, University of Texas at Dallas, November 2014. ▪ Certificate of Recognition of Inventive Contribution, in recognition of inventive contribution to the University of Texas at Dallas between September 1, 2012 and August 31, 2013, issued by UT-Dallas Office of Technology Commercialization, March 2014. ▪ Jonsson School Graduate Study Scholarships, University of Texas at Dallas, September 2012. ▪ Beijing Forestry University First-class Scholarship, 2007-2009.

PUBLICATIONS

I have **2560** citations according to **Google Scholar** as of 12/05/2018 (**h-index = 26; i-10 index = 50**). My Google Scholar Profile: https://scholar.google.com/citations?user=TuEwcZ0AAAAJ&hl=en

PREPRINT

[1] R. Hou, **C. Chen**, M. Shah, "An End-to-end 3D Convolutional Neural Network for Action Detection and Segmentation in Videos," arXiv:1712.01111 [cs.CV], submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI).

BOOK CHAPTER

[B-1] J. Shen, S. Cheung, **C. Chen**, and R. Liu, "Missing Depth Data In-painting," In *Encyclopedia of Image Processing*, published by Taylor & Francis Group, 2018.

JOURNAL PAPER

[J-1] S. Luan, **C. Chen**, B. Zhang, J. Han, and J. Liu, "Gabor Convolutional Networks", IEEE Transactions on Image Processing (TIP), 2018.

[J-2] J. Jiang, J. Ma, **C. Chen**, Z. Wang, L. Wang, "SuperPCA: A Superpixelwise Principal Component Analysis Approach for Unsupervised Feature Extraction of Hyperspectral Imagery", IEEE Transactions on Geoscience and Remote Sensing (TGRS), 2018.

[J-3] S. Suresh, S. Lal, **C. Chen**, T. Celik, "Multi-spectral Satellite Image Denoising via Adaptive Cuckoo Search based Wiener Filter", IEEE Transactions on Geoscience and Remote Sensing (TGRS), 2018.

[J-4] B. Zhang, J. Gu, **C. Chen**†, J. Han, X. Su, X. Cao, and J. Liu, "One-two-one Networks for Compression Artifacts Reduction in Remote Sensing," ISPRS Journal of Photogrammetry and Remote Sensing, 2018. **[Impact Factor (IF) = 6.387]** († corresponding author)

[J-5] B. Zhang, S. Luan, **C. Chen**, J. Han, W. Wang, A. Perina, and L. Shao, "Latent Constrained Correlation Filter," IEEE Transactions on Image Processing (TIP), 2017. **[Impact Factor (IF) = 4.828]**

[J-6] **C. Chen**, M. Liu, H. Liu, B. Zhang, J. Han, and N. Kehtarnavaz, "Multi-Temporal Depth Motion Maps-Based Local Binary Patterns for 3D Human Action Recognition," IEEE Access, 2017. **[IF = 3.244]**

[J-7] Z. Wang, R. Hu, **C. Chen**, Y. Yu, J. Jiang, C. Liang, and S. Satoh, "Person Re-identification via Discrepancy Matrix and Matrix Metric," IEEE Transactions on Cybernetics, 2017. **[IF = 7.384]**

[J-8] M. Liu, H. Liu, and **C. Chen**, "Robust 3D Action Recognition through Sampling Local Appearances and Global Distributions," IEEE Transactions on Multimedia (TMM), 2017. **[IF = 3.509]**

[J-9] L. Yang, C. Li, J. Han, **C. Chen**, Q. Ye, B. Zhang, X. Cao, and W. Liu, "Image Reconstruction via Manifold Constrained Convolutional Sparse Coding for Image Sets," IEEE Journal of Selected Topics in Signal Processing, 2017. **[IF = 5.301]**

[J-10] Y. Yang, B. Zhang, **C. Chen**, J. Han, and L. Shao, "Action Recognition Using 3D histograms of Texture and A Multi-class Boosting Classifier," IEEE Transactions on Image Processing (TIP), 2017.

[J-11] X. Bian, **C. Chen**, L. Tian, and Q. Du, "Fusing Local and Global Features for High-Resolution Scene Classification," IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017. **[IF = 2.913]**

[J-12] M. Liu, H. Liu, and **C. Chen**, "Enhanced Skeleton Visualization for View Invariant Human Action Recognition," Pattern Recognition, 2017. **[IF = 4.582]**

[J-13] M. Liu, H. Liu, and **C. Chen**, "3D Action Recognition Using Multi-scale Energy-based Global Ternary Image," IEEE Transactions on Circuits and Systems for Video Technology, 2017. **[IF = 3.599]**

[J-14] J. Jiang, **C. Chen**, Y. Yu, X. Jiang, and J. Ma, "Spatial-Aware Collaborative Representation for Hyperspectral Remote Sensing Image Classification," IEEE Geoscience and Remote Sensing Letters, 2017. **[IF = 2.761]**

[J-15] **C. Chen**, K. Liu, and N. Kehtarnavaz, "Real-Time Human Action Recognition Based on Depth Motion Maps," Journal of Real-Time Image Processing, 2016.

[J-16] X. Bian, **C. Chen**, Q. Du, and Y. Xu, "Robust Hyperspectral Image Classification by Multi-layer Spatial-spectral Sparse Representations," Remote Sensing, 2016. **[IF = 3.244]**

[J-17] J. Jiang, X. Ma, **C. Chen**, T. Lu, and R. Hu, "Single Image Super-Resolution via Locally Regularized Anchored Neighborhood Regression and Nonlocal Means," IEEE Transactions on Multimedia (TMM), 2016.

[J-18] J. Jiang, J. Ma, **C. Chen**, Z. Cai, and R. Hu, "Noise Robust Face Image Super-resolution through Smooth Sparse Representation," IEEE Transactions on Cybernetics, 2016.

[J-19] J. Jiang, **C. Chen**, J. Fu, and R. Hu, "SRLSP: A Face Image Super-Resolution Algorithm using Smooth Regression with Local Structure Prior," IEEE Transactions on Multimedia, 2016.

[J-20] L. Huang*, **C. Chen***, W. Li, Q. Du, "Remote Sensing Image Scene Classification Using Multi-scale Completed Local Binary Patterns and Fisher Vectors," Remote Sensing, 2016. (*equal contribution)

[J-21] J. Jiang, **C. Chen**, K. Huang, Z. Cai, and R. Hu, "Noise Robust Position-Patch based Face Super-Resolution via Tikhonov Regularized Neighbor Representation," Information Sciences, 2016. **[IF = 4.832]**

[J-22] **C. Chen**, B. Zhang, Z. Hou, J. Jiang, M. Liu, and Y. Yang, "Action Recognition from Depth Sequences Using Weighted Fusion of 2D and 3D Auto-Correlation of Gradients Features," Multimedia Tools and Applications, 2016.

[J-23] **C. Chen**, R. Jafari, and N. Kehtarnavaz, "A Survey of Depth and Inertial Sensor Fusion for Human Action Recognition," Multimedia Tools and Applications, 2016.

[J-24] J. Zou, W. Li, **C. Chen**, and Q. Du, "Scene Classification Using Local and Global Features with Collaborative Representation Fusion," Information Sciences, 2016.

[J-25] **C. Chen**, R. Jafari, and N. Kehtarnavaz, "A Real-Time Human Action Recognition System Using Depth and Inertial Sensor Fusion," IEEE Sensors Journal, 2016. **[IF = 2.512]**

[J-26] **C. Chen**, B. Zhang, H. Su, W. Li, and L. Wang, "Land-Use Scene Classification Using Multi-Scale Completed Local Binary Patterns," Signal, Image and Video Processing, 2015.

[J-27] W. Li, **C. Chen**, H. Su, and Q. Du, "Local Binary Patterns and Extreme Learning Machine for Hyperspectral Imagery Classification," IEEE Transactions on Geoscience and Remote Sensing, 2015. **[IF = 4.942]**

[J-28] **C. Chen**, R. Jafari, and N. Kehtarnavaz, "Improving Human Action Recognition Using Fusion of Depth Camera and Inertial Sensors," IEEE Transactions on Human-Machine Systems, 2015. **[IF = 2.493]**

[J-29] Z. Zhu, F. Guo, H. Yu, and **C. Chen**, "Fast Single Image Super-Resolution via Self-Example Learning and Sparse Representation," IEEE Transactions on Multimedia, 2014.

[J-30] **C. Chen**, W. Li, H. Su, and K. Liu, "Spectral-Spatial Classification of Hyperspectral Image based on Kernel Extreme Learning Machine," Remote Sensing, 2014.

[J-31] K. Liu, **C. Chen**, R. Jafari, and N. Kehtarnavaz, "Fusion of Inertial and Depth Sensor Data for Robust Hand Gesture Recognition," IEEE Sensors Journal, 2014.

[J-32] **C. Chen**, W. Li, E. W. Tramel, M. Cui, S. Prasad, and J. E. Fowler, "Spectral-Spatial Preprocessing Using Multihypothesis Prediction for Noise-Robust Hyperspectral Image Classification," IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014.

[J-33] **C. Chen**, W. Li, E. W. Tramel, and J. E. Fowler, "Reconstruction of Hyperspectral Imagery from Random Projections Using Multihypothesis Prediction," IEEE Transactions on Geoscience and Remote Sensing, 2014.

CONFERENCE PAPER

[C-1] M. Liu, F. Meng, **C. Chen**, S. Wu, "Joint Dynamic Pose Image and Space Time Reversal for Human Action Recognition from Videos," AAAI 2019.

[C-2] L.Zhuo, B. Zhang, **C. Chen**, D. Doermann, J. Liu, Q. Ye, "Calibrated Stochastic Gradient Descent for Convolutional Neural Networks," AAAI 2019.

[C-3] C. Xie, C. Li, B. Zhang, **C. Chen**, J. Han, C. Zou, J. Liu, "Memory Attention Networks for Skeleton-based Action Recognition," IJCAI 2018.

[C-4] W. Sultani, **C. Chen**, M. Shah, "Real-world Anomaly Detection in Surveillance Videos," CVPR 2018, arXiv:1801.04264 [cs.CV]. [Project and dataset website: http://crcv.ucf.edu/projects/real-world/]

[C-5] R. Hou, **C. Chen**, and M. Shah, "Tube Convolutional Neural Network (T-CNN) for Action Detection in Videos," International Conference on Computer Vision (**ICCV**), Venice, Italy, 2017.

[C-6] **C. Chen**, B. Zhang, A. Del Bue, and V. Murino, "Manifold Constrained Low-Rank Decomposition," International Conference on Computer Vision Workshop (**ICCV Workshop**), Venice, Italy, 2017.

[C-7] Y. Tian, **C. Chen**, and M. Shah, "Cross-View Image Matching for Geo-localization in Urban Environments," IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), Honolulu, HI, 2017.

[C-8] J. Qin, L. Liu, L. Shao, B. Ni, **C. Chen**, F. Shen, and Y. Wang, "Binary Coding for Partial Action Analysis with Limited Observation Ratios," IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), Honolulu, HI, 2017.

[C-9] H. Chen, J. Chen, **C. Chen**, and R. Hu, "Action Recognition with Gradient Boundary Convolutional Network," IEEE International Conference on Image Processin (ICIP), Beijing, China, 2017.

[C-10] N. Dawar, **C. Chen**, R. Jafari, and N. Kehtarnavaz, "Real-time Continuous Action Detection and Recognition using Depth Images and Inertial Signals," IEEE International Symposium on Industrial Electronics, Edinburgh, United Kingdom, 2017.

[C-11] M. Liu, **C. Chen**, and H. Liu, "Time-Ordered Spatial-Temporal Interest Points For Human Action Classification," IEEE International Conference on Multimedia and Expo (ICME), Hong Kong, China, 2017.

[C-12] M. Liu, **C. Chen**, and H. Liu, "3D Action Recognition Using Data Visualization and Convolutional Neural Networks," IEEE International Conference on Multimedia and Expo (ICME), Hong Kong, China, 2017.

[C-13] M. Liu, **C. Chen**, and H. Liu, "Learning Informative Pairwise Joints with Energy-based Temporal Pyramid for 3D Action Recognition," IEEE International Conference on Multimedia and Expo (ICME), Hong Kong, China, 2017.

[C-14] **C. Chen**, H. Hao, R. Jafari, and N. Kehtarnavaz, "Weighted fusion of depth and inertial data to improve view invariance for real-time human action recognition," SPIE Conference on Real-Time Image and Video Processing, Anaheim, California, 2017.

[C-15] M. Liu, H. Liu, **C. Chen**, and M. Najafian, "Energy-Based Global Ternary Image for Action Recognition Using Sole Depth Sequences," International Conference on 3D Vision (3DV), Stanford, CA, 2016.

[C-16] **C. Chen**, M. Liu, B. Zhang, J. Han, J. Jiang and H. Liu, "3D Action Recognition Using Multi-temporal Depth Motion Maps and Fisher Vector," International Joint Conference on Artificial Intelligence (**IJCAI**), 2016. (Acceptance Rate: 24.0%=551/2294)

[C-17] S. Liu, **C. Chen**, and N. Kehtarnavaz, "A Computationally Efficient Denoising and Hole-filling Method for Depth Image Enhancement," SPIE Conference on Real-Time Image and Video Processing, Brussels, Belgium, 2016.

[C-18] **C. Chen**, R. Jafari, and N. Kehtarnavaz, "Fusion of Depth, Skeleton, and Inertial Data for Human Action Recognition," the 41st IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Shanghai, China, 2016.

[C-19] J. Jiang, **C. Chen**, X. Song, and Z. Cai, "Hyperspectral Image Classification Using Set-to-Set Distance," the 41st IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Shanghai, China, 2016.

[C-20] J. Jiang, Z. Wang, **C. Chen**, and T. Lu, "L1-L1 Norms for Face Super-Resolution with Mixed Gaussian-Impulse Noise," the 41st IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Shanghai, China, 2016.

[C-21] **C. Chen**, Z. Hou, B. Zhang, J. Jiang, and Y. Yang, "Gradient Local Auto-Correlations and Extreme Learning Machine for Depth-Based Activity Recognition," 11th International Symposium on Visual Computing, Las Vegas, 2015.

[C-22] **C. Chen**, J. Jiang, B. Zhang, W. Yang, and J. Guo, "Hyperspectral Image Classification Using Gradient Local Auto-Correlations," IAPR Asian Conference on Pattern Recognition (ACPR), Kuala Lumpur, Malaysia, 2015.

[C-23] **C. Chen**, R. Jafari, and N. Kehtarnavaz, "UTD-MHAD: A Multimodal Dataset for Human Action Recognition Utilizing a Depth Camera and a Wearable Inertial Sensor," IEEE International Conference on Image Processing (ICIP), Quebec city, Canada, 2015.

[C-24] **C. Chen**, L. Zhou, J. Guo, W. Li, H. Su, and F. Guo, "Gabor-Filtering-Based Completed Local Binary Patterns for Land-Use Scene Classification," IEEE International Conference on Multimedia Big Data, Beijing, China, 2015.

[C-25] **C. Chen**, R. Jafari, and N. Kehtarnavaz, "Action Recognition from Depth Sequences Using Depth Motion Maps-based Local Binary Patterns," IEEE Winter Conference on Applications of Computer Vision (**WACV**), Waikoloa Beach, HI, 2015.

[C-26] K. Liu, **C. Chen**, R. Jafari, and N. Kehtarnavaz, "Multi-HMM classification for hand gesture recognition using two differing modality sensors," IEEE Dallas Circuits and Systems Conference, Richardson, TX, 2014.

[C-27] **C. Chen**, K. Liu, R. Jafari, and N. Kehtarnavaz, "Home-based Senior Fitness Test Measurement System Using Collaborative Inertial and Depth Sensors," International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), Chicago, IL, 2014.

[C-28] **C. Chen**, N. Kehtarnavaz, and R. Jafari, "A Medication Adherence Monitoring System for Pill Bottles Based on a Wearable Inertial Sensor," International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), Chicago, IL, 2014.

[C-29] **C. Chen**, and J. E. Fowler, "Single-Image Super-Resolution Using Multihypothesis Prediction," 46th Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, CA, 2012.

[C-30] **C. Chen**, E. W. Tramel, and J. E. Fowler, "Compressed-Sensing Recovery of Images and Video Using Multihypothesis Predictions," 45th Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, CA, 2011.

PATENT

[P-1] N. Kehtarnavaz, R. Jafari, K. Liu, **C. Chen**, and J. Wu, "Fusion of inertial and depth sensors for movement measurements and recognition," Publication number: US20160292497 A1; Application number: US 15/092,347; Publication date: Oct 6, 2016; Filing date: Apr 6, 2016; Priority date: Apr 6, 2015.

[P-2] R. Jafari, N. Kehtarnavaz, and **C. Chen**, "Wearable medication adherence monitoring," United States Patent Application 20160055316; Application Number: 14/834326; Publication Date: 02/25/2016; Filing Date: 08/24/2015.

PRESENTATIONS

- "The Impact of Video Analytics for Pre, Live and Post Event Analysis," **oral presentation**, *Annual International Association of Chiefs of Police (IACP) Technology Conference Workshop – Adding Computer Vision to Pre-existing Police Surveillance Camera Networks*, St. Louis, MO, May 23, 2017.

- "3D Action Recognition Using Multi-temporal Depth Motion Maps and Fisher Vector," **oral presentation**, *The Twenty-Fifth International Joint Conference on Artificial Intelligence (IJCAI-16)*, New York City, NY, July 15, 2016.

- "Gradient Local Auto-Correlations and Extreme Learning Machine for Depth-Based Activity Recognition," **oral presentation**, *International Symposium on Visual Computing (ISVC)*, Las Vegas, December 15, 2015.

- "Action Recognition from Depth Sequences Using Depth Motion Maps-based Local Binary Patterns," **oral and poster presentations**, *IEEE Winter Conference on Applications of Computer Vision (WACV)*, Waikoloa Beach, HI, January 8, 2015.

- "Multi-HMM Classification for Hand Gesture Recognition Using Two Differing Modality Sensors," **oral presentation**, *IEEE Dallas Circuits and Systems Conference (DCAS)*, Richardson, TX, October 13, 2014.

INVITED TALKS

- "Deep Learning for Action and Event Analysis in Videos," The George Washington University (February 23, 2018), University of North Carolina at Charlotte, (February 28, 2018), Virginia Tech (March 2, 2018), Clemson University (March 12, 2018).
- October 20, 2017: "Large Scale Image Geo-localization Using Image Matching," Data Science & Analytics Lab, American Family Insurance, Chicago, IL, USA.
- April 11, 2016: "Fusion of Depth and Inertial Sensing for Human Action Recognition," Center for Remote Health Technologies and Systems, Texas A&M University, College Station, TX, USA.
- November 19, 2015: "Unsupervised Classification and Supervised Classification," Department of Mathematical Sciences, University of Texas at Dallas, Richardson, TX, USA.
- February 05, 2015: "Noise Robust Hyperspectral Image Classification," Spectral MD, Inc., Dallas, Texas, USA.

PROFESSIONAL AFFILIATIONS & ACTIVITIES

Professional Society Memberships

- Member, IEEE   2016 – Present

Journal Editorships

- Associated Editor, KSII Transactions on Internet and Information Systems (IF = 0.452) 2016 – Present
- Associated Editor, Signal, Image and Video Processing (Springer) (IF = 1.102)   2016 – Present
- Associated Editor, Sensors (MDPI) (IF = 2.475)   2018 – Present
- Lead Guest Editor, "Sensors Signal Processing and Visual Computing", Special Issue of Sensors (IF = 2.677)   in process
  CFP Link: http://www.mdpi.com/journal/sensors/special_issues/signal_visual#editors
- Lead Guest Editor, "Advances in Real-Time Image Processing for Remote Sensing", Special Issue of Journal of Real-Time Image Processing (IF = 2.010)   Completed
  Special issue editorial: https://link.springer.com/article/10.1007%2Fs11554-018-0831-7

Conference Area Chair

- IEEE Winter Conference on Applications of Computer Vision (WACV), 2019

Conference Technical Program Committee Member

- ECCV 2018, IJCAI 2018, AAAI 2019
- International Conference on Intelligent Computing (ICIC), 2015 - 2017
- 2016 Asian Conference on Machine Learning (ACML) Workshop on Learning on Big Data

Journal Reviewer (performed a total of 572 journal reviews verified by Publons, as of 12/06/2018)
Profile: https://publons.com/researcher/514459/chen_chen/

- IEEE Transactions on Image Processing
- IEEE Transactions on Multimedia
- IEEE Transactions on Circuits and Systems for Video Technology
- IEEE Transactions on Human-Machine Systems
- IEEE Transactions on Geoscience and Remote Sensing
- IEEE Transactions on Computational Imaging
- IEEE Signal Processing Letters
- IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
- IEEE Geoscience and Remote Sensing Letters
- IEEE Journal of Biomedical and Health Informatics
- IEEE Sensors Journal
- Proceedings of the IEEE
- Signal, Image and Video Processing
- Multimedia Tools and Applications
- Neural Computing and Applications
- Memetic Computing

- Sensors, MDPI
- Remote Sensing, MDPI
- European Journal of Remote Sensing
- Mathematical Problems in Engineering
- Journal of Electronic Imaging
- Journal of Medical Imaging
- Journal of Applied Remote Sensing
- Journal of Real-Time Image Processing
- Journal of Biomedical Optics
- International Journal of Remote Sensing and Remote Sensing Letters
- International Journal of Electronics and Communications
- Image and Vision Computing, Elsevier
- Journal of Visual Communication and Image Representation, Elsevier
- Neurocomputing, Elsevier
- Pattern Recognition Letters, Elsevier
- Science of the Total Environment, Elsevier
- The Visual Computer
- Frontiers of Earth Science

Conference Reviewer

- IEEE International Conference on Image Processing (ICIP), 2013 - 2019
- IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2017 - 2018
- IEEE Winter Conference on Applications of Computer Vision (WACV), 2015 - 2019
- IEEE International Conference on Multimedia Big Data (BigMM), 2015
- International Conference on Computer Vision (ICCV), 2017 - 2018
- IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2017 - 2019
- European Conference on Computer Vision (ECCV), 2018
- Asian Conference on Computer Vision (ACCV), 2018
- International Joint Conference on Artificial Intelligence (IJCAI), 2017 - 2018