## Hongfu Liu

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Michtom School of Computer Science Volen Center for Complex Systems 136E-mail: hongfuliu@brandeis.edu Brandeis University, 415 South St, Waltham, MA 02453

| POSITION              | Brandeis University Assistant Professor in Michtom School of Computer Science   | Waltham, MA, USA<br>07/2018 - now                    |
|-----------------------|---|--|
| EDUCATION             | Northeastern University Ph.D. in Computer Engineering Advisor: Professor Yun Raymond Fu   | Boston, MA, USA<br>09/2014 - 04/2018                 |
|                       | Beihang University M.Eng. in Management Science and Engineering Advisor: Professor Junjie Wu  | Beijing, China<br>09/2011 - 06/2014                  |
|                       | Beihang University B.Eng. in Information Management and Information System  | Beijing, China<br>09/2007 - 06/2011                  |
|                       | Beihang University B.S. in Applied Mathematics  | Beijing, China<br>09/2007 - 06/2011                  |
|                       | Beihang University B.A. in Law  | Beijing, China<br>09/2007 - 06/2011                  |
| RESEARCH<br>INTERESTS | <ul> <li>Cluster Analysis: consensus clustering, constrained clustering, multi-view clustering, interpretable clustering, big data clustering</li> <li>Outlier Detection: multi-view outlier detection, spammer detection, bi-sampling outlier detection, jointly clustering and outlier</li> <li>Transfer Learning: heterogenous domain adaptation, unsupervise structure-preserved domain adaptation</li> <li>Feature Selection: unsupervised feature selection, multi-view feature</li> </ul>  | etion, zombie user dedetection ed domain adaptation, |
| HONORS & AWARDS       | • First Place Award in MS-Celel-1M Grand Challenge<br>International Conference on Computer Vision   | 2017   |
|                       | <ul> <li>IJCAI Student Travel Award         International Joint Conference on Artificial Intelligence     </li> <li>KDD Student Travel Award</li> </ul>   | 2017<br>2016   |
|                       | ACM SIGKDD Conference on Knowledge Discovery and Data Min SIGIR Student Travel Award  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Knowledge Discovery and Data Min  ACM In the Conference on Conference | 2016   |
|                       | <ul> <li>ACM International Conference Information and Knowledge Manag</li> <li>ICDM Student Travel Award</li> <li>IEEE Conference on Data Mining</li> </ul>   | gement 2016  |
|                       | AAAI Student Travel Award     AAAI Conference on Artificial Intelligence  | 2016   |
|                       | • IEEE BigData Student Travel Award IEEE Conference on Big Data   | 2016   |
|                       | • Top 20 New Star in Data Mining Microsoft Academic Search  | 2016   |
|                       | • The inaugural Adobe Research Fellowship Finalist Adobe Research   | 2016   |
|                       | • ICDM Student Travel Award IEEE Conference on Data Mining  | 2015   |
|                       | • Dean Fellowship   | 2014   |
|                       | Northeastern University  • Outstanding Graduate Beijing Education Commission  | 2014   |

| Outstanding Graduate Thesis                                      | 2014              |
|--|-------------------|
| Beihang University   |                   |
| • National Scholarship   | 2013              |
| Ministry of Education of China                                   |                   |
| • Top 10 Graduate  | 2013              |
| School of Economics and Management in Beihang University         |                   |
| • Data Mining Innovation Award                                   | 2013              |
| China Internet Network Information Center                        |                   |
| • Airbus Scholarship   | 2012              |
| Beihang University   |                   |
| • Outstanding Volunteer Prize                                    | 2012              |
| School of Economics and Management in Beihang University         |                   |
| • Outstanding Undergraduate Thesis                               | 2011              |
| Beihang University   |                   |
| Outstanding Undergraduate  | 2011              |
| Beijing Education Commission                                     |                   |
| • Board Scholarships   | 2011              |
| School of Economics and Management in Beihang University         |                   |
| Google Student Travel Award                                      | 2010              |
| Student Symposium on Machine Learning and Applications           | _010              |
| • Citigroup Scholarship  | 2010              |
| Beihang University   | 2010              |
| Kwang-Hua Scholarship  | 2009              |
| Beihang University   | 2009              |
| • Samsung Scholarship  | 2008              |
| Beihang University   | 2006              |
| · · · · · · · · · · · · · · · · · · ·                            |                   |
| • Microsoft Research Asia  | Beijing, China    |
| Data Scientist Intern, Mentor: Dr. Lintao Zhang & Dr. Qi Chen    | 06/2017 - 08/2017 |
| Project: Fast Clustering with Flexible Balance Constraints       |                   |
| • Adobe Research   | San Jose, CA      |
| Data Scientist Intern, Mentor: Dr. Nikos Vlassis                 | 05/2016 - 07/2016 |
| Project: Greedy K-means-based Consensus Clustering for Customer  | Segmentation      |
| • LECTURER   |                   |
| ♦ Introduction to Data Mining, Undergraduate & Graduate, Fall 20 | 18                |
| ♦ Introduction to E-Commerce, Undergraduate, Fall 2013           | = =               |
| Omeration Passage Lunion Calless Student Fall 2011               |                   |

# TEACHING EXPERIENCE

INDUSTRY EXPERIENCE

 $\Diamond \ \ Operation \ Research, \ Junior \ College \ Student, \ Fall \ 2011$ 

## • ASSISTANT

- ♦ Machine Learning and Pattern Recognition, Fall 2016
- $\Diamond$  Foundation of Visualization, Fall 2015
- $\Diamond\ \mathit{Modern\ Programming\ Design},\ \mathit{Undergraduate},\ \mathit{Fall\ 2013}$
- $\Diamond$  Introduction to Java Programming, Undergraduate, Fall 2009, 2010, Spring 2013
- $\Diamond$  Management Information Systems, MBA, Spring & Fall 2011, Spring 2013
- $\Diamond\ Linear\ Algebra,\ Undergraduate,\ Fall\ 2012$

#### ♦ 2 TPAMI, 4 TKDE, 1 DMKD, 2 TKDD, 1 BMC, 1 TFS, 1 TIP, 1 IS

- 1. **Hongfu Liu**, Ming Shao and Yun Fu. Feature Selection with Unsupervised Consensus Guidance. *IEEE Transactions on Knowledge and Data Engineering* (**TKDE**), 2018.
- Zhiqiang Tao, Hongfu Liu, Sheng Li, Zhengming Ding and Yun Fu. Robust Spectral Ensemble Clustering via Rank Minimization. ACM Transactions on Knowledge Discovery from Data (TKDD), 2018.
- 3. Yue Wu, **Hongfu Liu**, Jun Li and Yun Fu. Improving Face Representation Learning with Center Invariant Loss. *Image and Vision Computing* (**IVC**), 2018.
- 4. **Hongfu Liu**, Ming Shao, Zhengming Ding and Yun Fu. Structure-Preserved Unsupervised Domain Adaptation. *IEEE Transactions on Knowledge and Data Engineering* (**TKDE**), 2018.
- Joseph Robinson, Ming Shao, Yue Wu, Hongfu Liu, Timothy Gillis and Yun Fu. Visual Kinship Recognition of Families in the Wild. *IEEE Transactions on Pattern Analysis and Machine Intelligence* (TPAMI), 2018.
- 6. **Hongfu Liu** and Yun Fu. Consensus Guided Multi-View Clustering. *ACM Transactions on Knowledge Discovery from Data* (**TKDD**), 2018.
- 7. Xue Li and **Hongfu Liu**. Greedy Optimization for K-means-based Consensus Clustering. *Tsinghua Science and Technology* (**TST**), 2018.
- 8. **Hongfu Liu**, Zhiqiang Tao and Yun Fu. Partition Level Constrained Clustering. *IEEE Transactions on Pattern Analysis and Machine Intelligence* (**TPAMI**), 2017.
- 9. **Hongfu Liu**, Ming Shao, Sheng Li and Yun Fu. Infinite Ensemble Clustering. *Data Mining and Knowledge Discovery* (**DMKD**), 2017.
- Hongfu Liu, Junjie Wu, Tongliang Liu, Dacheng Tao and Yun Fu. Spectral Ensemble Clustering: Theoretical and Practical Evidence. *IEEE Transactions on Knowledge* and Data Engineering (TKDE), 2017.
- Hongfu Liu, Rui Zhao, Hongsheng Fang, Feixiong Chen, Yun Fu and Yuyang Liu. Entrpoy-based Consensus Clustering for Patient Stratification. *Bioinformatics* (BMC), 2017.
- 12. Handong Zhao, **Hongfu Liu**, Zhengming Ding and Yun Fu. Consensus Regularized Multi-View Outlier Detection. *IEEE Transactions on Image Processing* (**TIP**), 2017.
- 13. Junjie Wu, Ziang Wu, Jie Cao, **Hongfu Liu**, Guoqing Chen and Yanchuan Zhang. Fuzzy Consensus Clustering with Applications on Big Data. *IEEE Transactions on Fuzzy Systems* (**TFS**), 2017.
- 14. Junjie Wu, **Hongfu Liu**, Hui Xiong, Jie Cao and Jian Chen. K-means-based Consensus Clustering: A Unified View. *IEEE Transactions on Knowledge And Data Engineering* (**TKDE**), 2015.
- 15. Junjie Wu, Shiwei Zhu, **Hongfu Liu** and Guoping Xia. Cosine Interesting Pattern Discovery. *Information Sciences* (**IS**), 2012.
- ♦ Under Review: 1 JMLR, 2 TPAMI, 1 TNNLS, 1 JOC, 1 TSP, 1 JSS, 1 EJOR
  - 1. **Hongfu Liu**, Junxiang Chen, Jennifer G. Dy and Yun Fu. K-means Clustering for Complex Non-clustering Problem. *Journal of Machine Learning Research* (JMLR).
  - 2. **Hongfu Liu**, Junjie Wu, Zhiang Wu, Dacheng Tao and Yun Fu. Informative Consensus Clustering. *Journal on Computing* (**JOC**).
  - 3. Zhiqiang, Tao, **Hongfu Liu**, Huazhu Fu and Yun Fu. Multi-View Saliency-Guided Constrained Clustering for Image Cosegmentation. *IEEE Transactions on Pattern Analysis and Machine Intelligence* (**TPAMI**).
  - Zhiqiang Tao, Hongfu Liu, Sheng Li, Zhengming Ding and Yun Fu. Marginalized Multi-View Ensemble Clustering. IEEE Transactions on Neural Networks and Learning Systems (TNNLS).

- 5. Handong Zhao, **Hongfu Liu**, Zhengming Ding and Yun Fu. Robust Graph Regularized Incomplete Multi-view Clustering. *IEEE Transactions on Pattern Analysis and Machine Intelligence* (**TPAMI**).
- 6. Jun Li, **Hongfu Liu** and Yun Fu. Restricted Isometry Condition by Scale Null Space Property for Compressed Sensing. *IEEE Transactions on Signal Processing* (**TSP**).
- 7. Hao Lin, **Hongfu Liu** and Junjie Wu. KCC: A MATLAB Package for K-means-based Consensus Clustering. *Journal of Statistical Software* (**JSS**).
- 8. Xue Li, **Hongfu Liu** and Bin Zhu. Evolutive Preference Analysis with Numerical Preference Relations. *European Journal of Operational Research* (**EJOR**)
- 9. Deqing Wang, Chenwei Lu, Junjie Wu, **Hongfu Liu**, Wenjie Zhang and Hui Zhang. Softly Associative Transfer Learning for Cross-domain Classification. *IEEE Transactions on Cybernetics* (**TC**).

#### • CONFERENCE PAPERS

- ♦ 3 KDD, 4 ICDM, 1 SDM, 4 IJCAI, 4 AAAI, 1 CIKM, 2 IEEE BigData, 1 HPCC, 1 ICSSSM Best Paper
- 1. Jun Li, **Hongfu Liu** and Yun Fu. Predictive Coding Machine for Compressed Sensing and Image Denoising. *In Proceedings of AAAI Conference on Artificial Intelligence* (**AAAI**), 2018.
- 2. Yue Wu, Zhengming Ding, **Hongfu Liu**, Joseph Robinson and Yun Fu. Kinship Classification through Latent Adaptive Subspace. *In Proceedings of IEEE Conference on Automatic Face and Gesture Recognition* (**FG**), 2018.
- 3. Jun Li, **Hongfu Liu**, Handong Zhao, and Yun Fu. Projective Low-rank Subspace Clustering via Learning Deep Encoder. *In Proceedings of International Joint Conference on Artificial Intelligence* (IJCAI), 2017.
- 4. Zhiqiang Tao, **Hongfu Liu**, Sheng Li, Zhengming Ding and Yun Fu. From Ensemble Clustering to Multi-View Clustering. *In Proceedings of International Joint Conference on Artificial Intelligence* (IJCAI), 2017.
- 5. Zhiqiang Tao\*, **Hongfu Liu\***, Huazhu Fu and Yun Fu. Image Cosegmentation via Saliency-Guided Constraint Clustering with Cosine Similarity. *In Proceedings of AAAI Conference on Artificial Intelligence* (**AAAI**), 2017. (\* means equal contribution)
- 6. Zhiqiang Tao, **Hongfu Liu** and Yun Fu. Simultaneous Clustering and Ensemble. *In Proceedings of AAAI Conference on Artificial Intelligence* (**AAAI**), 2017.
- 7. Sheng Li, **Hongfu Liu**, Zhiqiang Tao and Yun Fu. Multi-View Graph Learning with Adaptive Label Propagation. *In Proceedings of IEEE International Conference on Big Data* (**IEEE BigData**), 2017.
- 8. **Hongfu Liu**, Ming Shao, Sheng Li and Yun Fu. Infinite Ensemble for Image Clustering. In Proceedings of ACM SIGKDD international conference on Knowledge Discovery and Data mining (KDD), 2016.
- 9. **Hongfu Liu**, Haiyi Mao and Yun Fu. Robust Multi-View Feature Selection. *In Proceedings of IEEE International Conference on Data Mining* (**ICDM**), 2016.
- Hongfu Liu, Ming Shao and Yun Fu. Structure-Preserved Multi-Source Domain Adaptation. In Proceedings of IEEE International Conference on Data Mining (ICDM), 2016.
- 11. **Hongfu Liu**, Ming Shao and Yun Fu. Consensus Guided Unsupervised Feature Selection. *In Proceedings of AAAI Conference on Artificial Intelligence* (**AAAI**), 2016.
- 12. **Hongfu Liu**, Yuchao Zhang, Bo Deng and Yun Fu. Bi-sampling Ensemble Outlier Detection. *In Proceedings of IEEE International Conference on Big Data* (**IEEE BigData**), 2016.
- 13. Zhiqiang Tao, **Hongfu Liu**, Sheng Li and Yun Fu. Robust Spectral Ensemble Clustering. In Proceeding of ACM International Conference on Information and Knowledge Management (CIKM), 2016.

- 14. Handong Zhao, **Hongfu Liu** and Yun Fu. Incomplete Multi-modal Visual Data Grouping. In Proceedings of International Joint Conference on Artificial Intelligence (IJCAI), 2016.
- 15. **Hongfu Liu\***, Tongliang Liu\*, Junjie Wu, Dacheng Tao and Yun Fu. Spectral Ensemble Clustering. In Proceedings of ACM SIGKDD international conference on Knowledge Discovery and Data mining (KDD), 2015. (\* means equal contribution)
- 16. **Hongfu Liu** and Yun Fu. Clustering with Partition Level Side Information. *In Proceedings of IEEE International Conference on Data Mining* (**ICDM**), 2015.
- 17. **Hongfu Liu**, Junjie Wu, Dacheng Tao, Yuchao Zhang and Yun Fu. DIAS: A Disassemble-Assemble Framework for Highly Sparse Text Clustering. *In Proceedings of SIAM International Conference on Data Mining* (**SDM**), 2015.
- 18. **Hongfu Liu**, Cheng Gong and Junjie Wu. Consensus Clustering on big data. In Proceedings of IEEE International Conference on Service Systems and Service Management (ICSSSM Best Paper), 2015.
- 19. **Hongfu Liu**, Yuchao Zhang, Hao Lin and Junjie Wu. How Many Zombies Around You. In Proceedings of the IEEE International Conference on Data Mining (ICDM), 2013.
- 20. **Hongfu Liu**, Yuchao Zhang and Xue Li. Consensus Ranking From a Utility View. In Proceeding of International Conference on Natural Computation (ICNC), 2013.
- Junjie Wu, Hongfu Liu, Hui Xiong and Jie Cao. A Theoretic Framework of K-means-based Consensus Clustering. In Proceedings of International Joint Conference on Artificial Intelligence (IJCAI), 2013.
- 22. Yaqiong Wang, **Hongfu Liu**, Hao Lin, Junjie Wu, Zhiang Wu and Jie Cao. SEA: A System for Event Analysis on Chinese Tweets. *In Proceedings of ACM SIGKDD International Conference on Knowledge Discovery and Data Mining* (**KDD**), 2013.
- Yuchao Zhang and Hongfu Liu. A Reliable QoE-aware Framework for Cloud Service Monitoring and Ranking. In Proceedings of International Conference on Electrical and Information Technologies for Rail Transportation (EITRT), 2013.
- 24. Yuchao Zhang, **Hongfu Liu** and Bo Deng. SLA-Driven State Monitoring for Cloud Services. In Proceedings of the 15th IEEE International Conference on High Performance Computing and Communications (**HPCC**), 2013.
- 25. Yuchao Zhang, **Hongfu Liu** and Bo Deng. Evolutionary Clustering with DBSCAN. In Proceeding of International Conference on Natural Computation (ICNC), 2013.
- 26. Di Zhao, Hongfu Liu, Hongyi Li. A Method Based on Grey Correlation Clustering for Improving the Hierarchy of Analytic Hierarchy Process. In Proceedings of IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT), 2010.

### • WORKSHOP AND DOCTORAL CONSORTIUM PAPERS

- Yue Wu, Hongfu Liu, Yun Fu. Low-shot Face Recognition with Hybrid Classifiers. In Proceedings of International Conference on Computer Vision Workshop (ICCV-W), 2017.
- Yue Wu, Hongfu Liu, Jun Li and Yun Fu. Deep Face Recognition with Center Invariant Loss. In Proceedings of ACM Multimedia Thematic Workshop (MM-W), 2017.

#### **PATENTS**

- Hongfu Liu, Nikolaos Vlassis. Customer Segmentation Via Consensus Clustering US Patent. Filed: 11/12/2016.
- Junjie Wu, Hongfu Liu, Hong Li and Xiaoting Han. A Kind of Text Classification Method Based on Consensus Clustering CN Patent. Filed: 10/07/2015.

## ACADEMIC $\mathbf{TALKS}$

| ♦ Invited Talks   |         |
|---|---------|
| • From Consensus Clustering to K-means Clustering<br>Baidu, Sunnyvale, CA           | 2018    |
| • From Consensus Clustering to K-means Clustering                                   |         |
| University of Michigan-Dearborn, Dearborn, MI                                       | 2018    |
| • From Consensus Clustering to K-means Clustering                                   |         |
| Tulane University, New Orleans, LA  | 2018    |
| • From Consensus Clustering to K-means Clustering                                   |         |
| University of Miami, Coral Gables, FL   | 2018    |
| • From Consensus Clustering to K-means Clustering                                   |         |
| Stevens Institute of Technology, Hoboken, NJ  | 2018    |
| • From Consensus Clustering to K-means Clustering                                   |         |
| Rochester Institute of Technology, Rochester, NY                                    | 2018    |
| • From Consensus Clustering to K-means Clustering                                   |         |
| San Diego State University, San Diego, CA   | 2018    |
| • From Consensus Clustering to K-means Clustering                                   |         |
| Brandeis University, Waltham, MA  | 2018    |
| • From Consensus Clustering to K-means Clustering                                   |         |
| Case Western Reserve University, Cleveland, OH                                      | 2018    |
| • Consensus Clustering: A Tutorial  |         |
| The Ohio State University, Columbus, OH   | 2017    |
| • K-means Solution for Complex Problem  |         |
| Texas State University, San Marcos, TX  | 2017    |
| • K-means-based Consensus Clustering  |         |
| Texas A&M University, College Station, TX   | 2017    |
| • Infinite Ensemble Clustering  | _01     |
| Boston College, Chestnut Hill, MA   | 2017    |
| • Complex Problem, K-means Solution   | 2011    |
| University of Illinois Urbana-Champaign, Champaign, IL                              | 2017    |
| • Consensus Clustering: A K-means Clustering View                                   | 2011    |
| Tufts University, Medford, MA   | 2017    |
| • Consensus Clustering for Industrial Applications                                  | 2011    |
| JD, Beijing, China  | 2017    |
| • Fast Clustering with Flexible Balance Constraints                                 | 2011    |
| Microsoft Research Asia, Beijing, China   | 2017    |
| • Spectral and Infinite Ensemble Clustering   | _01     |
| UMass Dartmouth, North Dartmouth, MA  | 2017    |
| • Greedy K-means-based Consensus Clustering   | 2011    |
| Adobe Research, San Jose, CA  | 2016    |
| • K-means-based Consensus Clustering and its Applications                           | 2010    |
| NEPSSS, Northeastern University, Boston, MA   | 2015    |
|   | 2010    |
| ♦ Presentations at International Conferences  |         |
| • International Joint Conference on Artificial Intelligence (IJCAI), Melbourne, Au  | stralia |
| 2017  |         |
| • IEEE Conference on Big Data ( <b>IEEE BigData</b> ), Washington, D.C.             | 2016    |
| • ACM SIGKDD Conference on Knowledge Discovery and Data Mining ( <b>KDD</b> ), San  |         |
| cisco, CA   | 2010    |
| • AAAI Conference on Artificial Intelligence (AAAI), Phoenix, AZ                    | 2016    |
| • IEEE Conference on Data Mining (ICDM), Atlantic City, NJ                          | 2015    |
| • SIAM International Conference on Data Mining (SDM), Vancouver, Canada             | 2015    |
| • International Joint Conference on Artificial Intelligence (IJCAI), Beijing, China | 2013    |
| • IEEE Conference on Data Mining (ICDM), Dallas, TX                                 | 2013    |

2013

# PROFESSIONAL • Associate Editor ACTIVITIES

♦ IEEE Computational Intelligence Magazine (**IEEE CIM**)

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|---|---------|------|-------|---|
| • | EXCLLEC | па   | Duard | L |

- ♦ Architecture and Design Review
- ♦ Annals of Mathematics and Physics

#### • Publicity Chair

♦ International Workshop on Big Data Transfer Learning 2017

### • Senior Program Committee

 $\Diamond$  AAAI Conference on Artificial Intelligence (**AAAI**) 2019

## • Program Committee

♦ IEEE Conference on Multimedia Information Processing and Retrieval (MIPR) 2019 ♦ IEEE Conference on Data Mining (**ICDM**) 2018 ♦ IEEE Conference on Big Data (**IEEE BigData**) 2018 ♦ International Conference on Information Systems (ICIS) 2018 ♦ Neural Information Processing Systems (NIPS) 2018 ♦ AAAI Conference on Artificial Intelligence (**AAAI**) 2018 ♦ IEEE Conference on Multimedia Information Processing and Retrieval (MIPR) 2018 ♦ AAAI Conference on Artificial Intelligence (**AAAI**) 2017 ♦ International Joint Conference on Artificial Intelligence (IJCAI) 2017 ♦ International Conference on Machine Learning and Applications (ICMLA) 2017 ♦ International Joint Conference on Artificial Intelligence (IJCAI) 2016 ♦ International Conference on Machine Learning and Applications (ICMLA) 2016

#### • Journal Reviewer

- ♦ IEEE Transactions on Knowledge and Data Engineering (**TKDE**)
- ♦ IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- ♦ IEEE Transactions on Image Processing (**TIP**)
- ♦ IEEE Transactions on Cybernetics (**TC**)
- ♦ IEEE Transactions on Big Data (**TBD**)
- ♦ IEEE Computational Intelligence Magazine (CIM)
- ♦ IEEE Transactions on Emerging Topics in Computational Intelligence (TETCI)
- ♦ ACM Transactions on Knowledge Discovery from Data (**TKDD**)
- ♦ ACM Transactions on the Web (**TW**)
- ♦ Bioinformatics (**BMC**)
- ♦ Information Science (**IS**)
- ♦ Neural Networks (**NN**)
- ♦ Applied Computing and Informatics (ACI)
- ♦ Computer Methods and Programs in Biomedicine (CMPB)
- ♦ Human-centric Computing and Information Sciences (HCIS)
- ♦ Journal of Electronic Imaging (**JEI**)
- ♦ International Journal on Artificial Intelligence Tools (IJAIT)
- ♦ Pattern Analysis and Applications (**PAA**)
- ♦ Mathematical Problems in Engineering (MPE)