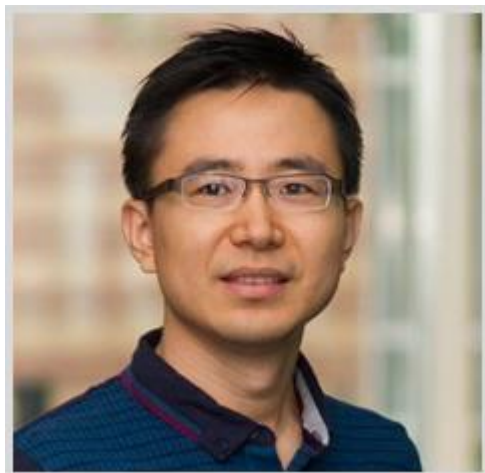




Northeastern University

[Bio] [News] [Press Coverage] [Funding] [Awards] [Research] [Publications] [Teaching]
[Service] [SMILE Lab]



Yun Raymond Fu

[GoogleCitation](#) [Benefunder](#)

Dr. and Associate Professor
Founding Director of [SmileLab](#)
Department of ECE, College of Engineering
College of Computer and Information Science (Affiliated)
Northeastern University
403 Dana Research Center
360 Huntington Avenue
Boston, MA 02115
Ph: (617) 373-7328 Fax: (617) 373-8970
E-mail: [yunfu AT ece Dot neu Dot edu](mailto:yunfu@ece.neu.edu)

Hiring

I am continuously looking for excellent Ph.D. students, PostDocs, Visiting Scholars, and Research Associates to work on machine learning, data mining, computer vision, and social media analytics. Please send me your CV if interested.
Please only apply for the College of Engineering, CE Ph.D

Research Interests: Machine Learning, Computational Intelligence, Big Data Mining, Computer Vision, Pattern Recognition, and Cyber-Physical Systems

Education: Ph.D. ([ECE](#), [UIUC](#)) M.S. ([STAT](#), [UIUC](#)) M.Eng. ([PRIS](#), [XJTU](#)) B.Eng. ([IE](#), [XJTU](#))

Academy and Fellow: [IAPR Fellow](#) (since 2016), [Global Young Academy](#) (GYA member), [Beckman Institute](#) (Beckman Graduate Fellow, 2007-2008).

Young Investigator Award (7): [[2016 Grainger Foundation Frontiers of Engineering Award](#)], [[2016 IEEE CIS Outstanding Early Career Award](#)], [[2016 UIUC ECE Young Alumni Achievement Award](#)], [[2015 National Academy of Engineering US Frontiers of Engineering](#)], [[2014 ONR Young Investigator](#)], [[2014 ARO Young Investigator](#)], [[2014 INNS Young Investigator](#)].

Best Paper Awards (7): [[SPIE DS 2016](#)], [[SIAM SDM 2014](#)], [[IEEE ICME 2014](#)], [[IEEE FG 2013](#)], [[IEEE ICDM LSWA Workshop 2011](#)], [[IAPR ICFHR 2010](#)], [[IEEE ICIP 2007](#)].

Industry Faculty Award (3): [[2016 Samsung GRO Award](#)], [[2015 Adobe Faculty Research Award](#)], [[2010 Google Faculty Research Award](#)]

Membership (7): [IEEE](#) (senior member), [ACM](#) (life senior member), [AAAI](#) (life member), [SPIE](#) (life senior member), [OSA](#) (life member), [INNS](#) (member), [IMS](#) (life member).

Associate Editor: [IEEE Computational Intelligence Magazine](#) (2016-), [IEEE Transactions on Neural Networks and Learning Systems \(TNNLS\)](#) (2013-), [IEEE Transactions on Circuits and Systems for Video Technology \(TCSVT\)](#) (2011-2015), [Image and Vision Computing \(IVCJ\)](#)(2015-), [Neurocomputing](#) (2008-2016), [International Journal of Pattern Recognition and Artificial Intelligence \(IJPRAI\)](#) (2011-), [Journal of Multimedia \(JMM\)](#) (2009-), [Journal of Electronic Imaging \(JEI\)](#) (2014-).



- 02/2017, PI, **Adobe**, Gift donation, \$5k.
- 02/2017, We have 2 **CVPR 2017** papers accepted. All authors are my students and postdoc.
- 02/2017, We have 1 IEEE Transactions on CSVT and 1 IP papers accepted for 2017 publishing.
- 02/2017, Our FG 2017 tutorial: **Multi-view Face Representation**
- 01/2017, We have 2 **FG 2017** papers accepted.
- 01/2017, We have 2 **book proposals** accepted!
- 12/2016, My student **Sheng Li** won the supper competitive **Baidu Scholarship**(RMB 200,000)! Congrats!
- 12/2016, We have 2 IEEE Transactions on NNLS paper accepted for 2017 publishing.
- 12/2016, I am elected as **IAPR Fellow!** **International Association for Pattern Recognition (IAPR)**
- 11/2016, **PI, Adobe**, Gift donation, \$5k.
- 11/2016, My student Hongfu Liu received the **IEEE BigData 2016 Student Travel Award**. Congratulations!
- 11/2016, My student Zhiqiang Tao and Sheng Li both received the **ACM International Conference on Information and Knowledge Management (CIKM) 2016 Student Travel Award**. Congratulations!
- 11/2016, We have 6 **AAAI 2017** papers accepted. All authors are my students from my SMILE Lab! Congratulations!
- 11/2016, I accepted the invitation to serve as **Associate Editor**, **IEEE Computational Intelligence Magazine**.
- 11/2016, We have 1 IEEE Transactions on NNLS and 1 IP papers accepted for 2016 publishing.
- 10/2016, **First Place Award**, 2016 Association for Computing Machinery (ACM) **Multimedia Conference MSR Image Recognition Grand Challenge**. [ECE report].
- 10/2016, We have 1 IEEE Transactions on NNLS papers accepted for 2016 publishing.
- 09/2016, **PI, DHS**, v-Bolo project, \$40k.
- 09/2016, **PI, Adobe**, Gift donation, \$5k.
- 09/2016, We have 1 IEEE Transactions on IP papers accepted for 2016 publishing.
- 09/2016, We have 2 **ICDM 2016** papers accepted.
- 08/2016, **PI, NSF RI**, **Vision-Based Activity Forecasting by Mining Temporal Causalities**, \$180k.
- 08/2016, **PI, Samsung GRO Award**, Deeply Learned Visual Commonsense and Its Applications, \$100k.
- 08/2016, **PI, NIJ**, Deep Multi-Factor Forensic Face Recognition, \$150k. Congratulations to Allan Ding for NIJ fellowship.
- 08/2016, We have 2 IEEE Transactions on **Big Data** paper accepted.
- 07/2016, We received the **SPIE Lockheed Martin Best Paper Award**, **SPIE Defense and Security Symposium, Automatic Target Recognition (ATR) conference XXVII, 2016**.
- 07/2016, My first Ph.D Student **Ming Shao** will join **Department of Computer and Information Science, University of Massachusetts (Umass) at Dartmouth** as a **tenure-track Assistant Professor**, starting from September 1st. Congratulations!
- 07/2016, We have 2 **CIKM 2016** long papers accepted. The acceptance rate is 165/935=17.6%.
- 07/2016, I am **General Chair** of **2016 IEEE International Conference on Big Data (IEEE BigData 2016)**, **Workshop on Textual Customer Feedback Mining and Transfer Learning**
- 07/2016, I am elected to be **Senior Member** of **SPIE**.
- 07/2016, Our IJCAI 2016 tutorial: **Low-Rank and Sparse Modeling for Data Analytics**

- 07/2016, We have 1 **ECCV 2016** and 5 **ACM MM 2016** papers accepted.
- 07/2016, We have 2 IEEE Transactions on IP papers accepted for 2016 publishing.
- 06/2016, Our CVPR 2016 tutorial: **Low-Rank and Sparse Modeling for Visual Analytics**
- 06/2016, My students Hongfu Liu and Sheng Li received the **KDD 2016 Student Travel Award**. Congratulations!
- 05/2016, We have 1 **KDD 2016** paper accepted. All authors are my students from my SMILE Lab! Congratulations!
- 05/2016, I received the **Søren Buus Outstanding Research Award** from Northeastern University.
- 04/2016, **2 Ph.D. graduated** under my supervision. Congratulations to Dr. Ming Shao and Dr. Chengcheng Jia!
- 04/2016, **PI, NSF i-Corps**, Facial image analysis system, \$50k.
- 04/2016, We have 3 **IJCAI 2016** papers accepted. All authors are my students from my SMILE Lab! Congratulations!
- 04/2016, We have 2 IEEE Transactions on IP papers accepted for 2016 publishing.
- 04/2016, I has been selected as the recipient of the **2016 Young Alumni Achievement Award** by the **ECE Alumni Board of Directors** at the **University of Illinois at Urbana-Champaign**.
- 03/2016, **PI, NEU FY17 Tier 1**, Dynamic Heterogeneous Information Networks for Intelligent Visual Forecasting, \$50k.
- 03/2016, **PI, Mathworks**, Video Classification and Prediction for Computer Vision Toolbox, \$20k.
- 03/2016, **PI, Grainger Foundation Frontiers of Engineering Award** from **National Academy of Engineering**, \$30k. <http://www.naefrontiers.org/Media/PressReleases16984/52986.aspx>
- 03/2016, We have 4 International Joint Conference on Neural Networks (**IJCNN**) papers accepted.
- 02/2016, My student **Sheng Li** received the 2015 **Chinese Government Award for Outstanding Self-Financed Students Abroad**.
<http://www.csc.edu.cn/chuguo/s/520#>
- 02/2016, We have 1 IEEE Transactions on **Big Data** paper accepted.
- 01/2016, I am elected as a **member** of **Global Young Academy (GYA)**, [news].
- 12/2015, We have two tutorials accepted by **CVPR 2016** and **IJCAI 2016**.
- 12/2015, We have 1 **ICASSP 2016** and 1 IEEE Transactions on **NNLS** papers accepted.
- 12/2015, My students Shuyang Wang, Shuhui Jiang, Ming Shao, Zhengming Ding, Handong Zhao and Hongfu Liu received the **AAAI Student Travel Award** for **AAAI 2016**. Congratulations!
- 12/2015, My former Ph.D. student Li, Kang's dissertation entitled "Video event recognition and prediction based on temporal structure analysis" has been featured by **IEEE Signal Processing society eNews** in the year 2015 at
<http://www.signalprocessingsociety.org/newsletter/category/ph-d-theses/page/11/>.
- 11/2015, I am elected to be **Senior Member** of **ACM**.
- 11/2015, We have 6 **AAAI 2016** papers accepted. All authors are my students from my SMILE Lab! Congratulations!
- 11/2014, **PI, MITLL**, Multimedia Search and Retrieval, \$28k, 11/15-11/16.
- 10/2015, We have 1 IEEE Transactions on IP paper accepted for 2015 publishing.
- 10/2015, I accepted the invitation to serve as **Editorial Board** member of **Image and Vision Computing (IVCJ)**.
- 09/2015, We have 1 IEEE Transactions on **PAMI** paper and 1 Elsevier **CVIU** accepted for 2015 publishing.
- 09/2015, **PI**, I received the **Adobe Research Awards** from Adobe, \$50k;
- 09/2015, My student Handong Zhao and Hongfu Liu received the **ICDM Student Travel Award** for **ICDM 2015**. Congratulations!
- 09/2015, We have 1 **ICCV 2015** paper accepted.
- 08/2015, **PI, Adobe**, Gift donation, \$12k; and **Co-PI, AFOSR STTR**, \$60k.
- 08/2015, I am recognized by the **IEEE Computational Intelligence Society (CIS)** as the **awardee** of **2016 IEEE CIS Outstanding Early Career Award**, *for contributions to neural computing, manifold learning, and visual intelligence*. [**NEUnews**]
- 08/2015, We have 2 **ICDM 2015** papers accepted.
- 07/2015, My student Sheng Li received the **ACM SIGIR Travel Award** for **CIKM 15**. Congratulations!
- 07/2015, We have 1 IEEE Transactions on **NNLS** and 1 IEEE Transactions on IP paper accepted for 2015 publishing.
- 06/2015, We have 1 **CIKM 2015** paper accepted.
- 05/2015, **PI, Samsung**, Unconstrained Visual Recognition, \$132k, 4/15-12/15.
- 05/2015, I am selected as **one** of the **2015 National Academy of Engineering US Frontiers of Engineering** by **NAE**.

- 05/2015, We have 1 IEEE Transactions on **Affective Computing** paper accepted for 2015 publishing.
 - 04/2015, We have 5 [IJCAI 2015](#) papers, 1 [SIGIR 2015](#) paper and 1 [SIGKDD 2015](#) paper accepted!
 - 04/2015, I am promoted to the rank of **Associate Professor with Tenure**.
 - 03/2015, My student Sheng Li received the **2015 NEU Outstanding Graduate Student Award** (Topmost student award in NEU). Congratulations!
 - 03/2015, We have 1 [CVPR 2015](#) paper accepted.
 - 02/2015, We have 1 IEEE Transactions on **MultiMedia** paper accepted for 2015 publishing.
 - 01/2015, our SMILE Lab moved to the new home!
 - 01/2015, **PI, NPS**, Pinpoint Geolocation using Multi-Source Multi-Dimensional Big Data from Social Media, \$450k, 9/15-9/17.
 - 01/2015, We have 4 [FG 2015](#) papers accepted.
 - 01/2015, **Program Chair, CVPR-AMFG 2015. Special Session Chair, ICMR-GMAR 2015.**
 - 12/2014, We have 2 [SDM 2015](#) full papers accepted.
 - 11/2014, **PI, Adobe**, Gift donation, \$9k.
 - 11/2014, My students Zhengming Ding, Kang Li, and Sheng Li received the [ICDM 2014 NSF Student Travel Award](#). Congratulations!
 - 10/2014, **PI, MITLL**, Multimedia Search and Retrieval, \$45k, 11/14-11/15.
 - 09/2014, **PI, DHS**, Video-Based Re-Identification of Subjects, \$60k, 9/14-9/15.
 - 09/2014, **Co-PI, NIH**, Multimodal Speech Translation for Assistive Communication, \$489,200, 9/14-9/16
 - 09/2014, We have 2 [ICDM 2014 Regular](#) papers accepted (Acceptance rate is 9.7%). Congratulations!
 - 09/2014, My students Chengcheng Jia, Shuyang Wang, and Zhengming Ding received the [ACM MM 2014 Student Travel Award](#). Congratulations!
 - 09/2014, We have 1 IEEE Transactions on **KDE** paper accepted for 2014 publishing.
 - 09/2014, I accepted the invitation to serve as **Associate Editor** of [Journal of Electronic Imaging](#) (JEI).
 - 08/2014, I am elected as the **Chair of IEEE Boston Computational Intelligence Chapter (CIS011)**.
 - 08/2014, **Co-PI, NSF**, [Wireless Sensing of Speech Kinematics and Acoustics for Remediation](#), \$150k, 9/14-9/16
 - 07/2014, We have 1 Full (Long) [ACM MM 2014](#) paper and 1 short paper accepted.
 - 07/2014, Our ICME2014 paper was selected as one of the 4 **ICME2014 Best Paper Award candidates** (4 out of 716 submissions).
 - 06/2014, We have 1 [ECCV 2014](#) paper and 2 ECCV14-workshop papers accepted.
 - 06/2014, **PI**, I received the **2014 DOD DURIP Award** from the [Department of Defense \(DOD\)](#). \$240k, 6/14-6/15.
 - 05/2014, **PI, NSF**, Research Experiences for Undergraduates (REU) Award, \$16k, 6/14-12/15.
 - 05/2014, We have 1 IEEE Transactions on **CSVT** paper accepted for 2014 publishing.
 - 04/2014, **PI**, I received the **2014 ARO Young Investigator Award** from the [Army Research Office \(ARO\)](#). \$150k, 5/14-5/17.
 - 04/2014, We received the **2014 SDM Best Paper Award** from [SIAM SDM](#). Only 1 out of 384 submissions. My **5th Best Paper Award!**
 - 04/2014, **PI**, I received the **2014 ONR Young Investigator Award** from the [Office of Naval Research \(ONR\)](#). \$510k, 6/14-6/17.
- [[More..](#)]

Books



Courses

- Spring 2017, EECE 5642 - Data Visualization -session1 [CourseWeb]
- Spring 2017, EECE 5642 - Data Visualization -session2 [CourseWeb]
- Fall 2016, ECE 7398 Special Topics for Human Centered Computing [CourseWeb]
- Fall 2015, ECE 7398 Special Topics for Human Centered Computing [CourseWeb]
- Fall 2015, EECE 5698 - Introduction to Visualization [CourseWeb]
- Spring 2015, EECE 3464 - Linear Systems [CourseWeb]
- Fall 2014, EECE 5698 - Introduction to Visualization [CourseWeb]
- Spring 2014, CS 5320 - Digital Image Processing [CourseWeb]
- Fall 2013, EECE 5698 - Introduction to Visualization [CourseWeb]
- Spring 2013, EECE 3464 - Linear Systems [CourseWeb]
- Spring 2013, EECE 2411 - Introduction to ECE Lab [CourseWeb]

Recent Publications [[Full-List](#)]

- [B-01] Zhangyang Wang, Yun Fu, and Thomas S. Huang, Deep Learning through Sparse and Low-Rank Modeling, Elsevier, 2017
- [B-02] Sheng Li and Yun Fu, Robust Representation for Data Analytics, Springer, 2017
- [B-03] Yun Fu, Human Activity Recognition and Prediction, Springer, 2015
- [J-01] Kang Li, Sheng Li, Sangmin Oh, and Yun Fu, Videography based Unconstrained Video Analysis, *IEEE Transactions on Image Processing (T-IP)*, Volume:, Issue:, Page(s):, 2016
- [J-02] Handong Zhao, Zhengming Ding and Yun Fu, Ensemble Subspace Segmentation Under Block-wise Constraints, *IEEE Transactions on Circuits and Systems for Video Technology (T-CSVT)*, vol. , no. , pp. , 2017.
- [J-03] Ming Shao, Yizhe Zhang, and Yun Fu, Collaborative Random Faces Guided Encoders for Pose-Invariant Face Representation Learning, *IEEE Transactions on Neural Networks and Learning Systems (T-NNLS)*, Volume:, Issue:, Page(s):, 2017.
- [J-04] Yu Kong, Ming Shao, Kang Li, and Yun Fu, Probabilistic Low-Rank Multi-Task Learning, *IEEE Transactions on Neural Networks and Learning Systems (T-NNLS)*, Volume:, Issue:, Page(s):, 2017.
- [J-05] Sheng Li, Kang Li and Yun Fu, Self-Taught Low-Rank Coding for Visual Learning, *IEEE Transactions on Neural Networks and Learning Systems (T-NNLS)*, Volume:, Issue:,

Page(s):, 2016.

- [J-06] Zhengming Ding and **Yun Fu**, Robust Transfer Metric Learning for Image Classification, *IEEE Transactions on Image Processing (T-IP)*, Volume:, Issue:, Page(s):, 2016
- [J-07] Zhengming Ding, Ming Shao and **Yun Fu**, Incomplete Multi-Source Transfer Learning, *IEEE Transactions on Neural Networks and Learning Systems (T-NNLS)*, Volume:, Issue:, Page(s):, 2016.
- [J-08] Chengcheng Jia, Ming Shao and **Yun Fu**, Sparse Canonical Temporal Alignment with Deep Tensor Decomposition for Action Recognition, *IEEE Transactions on Image Processing (T-IP)*, Volume:, Issue:, Page(s):, 2016.
- [J-09] Ming Shao, Xindong Wu, and **Yun Fu**, Scalable Nearest Neighbor Sparse Graph Approximation by Exploiting Graph Structure, *IEEE Transactions on Big Data (T-BD)*, Volume:, Issue:, Page(s):, 2016
- [J-10] Dmitry Kit, Yu Kong, and **Yun Fu**, Efficient Image Geotagging Using Large Databases, *IEEE Transactions on Big Data (T-BD)*, Volume:, Issue:, Page(s):, 2016
- [J-11] Jun Li, Yu Kong, Handong Zhao, Jian Yang, and **Yun Fu**, Learning Fast Low-rank Projection for Image Classification, *IEEE Transactions on Image Processing (T-IP)*, Volume:, Issue:, Page(s):, 2016.
- [J-12] Chengcheng Jia and **Yun Fu**, Low-Rank Tensor Subspace Learning for RGB-D Action Recognition, *IEEE Transactions on Image Processing (T-IP)*, Volume:, Issue:, Page(s):, 2016.
- [J-13] Yu Kong and **Yun Fu**, Discriminative Relational Representation Learning for RGB-D Action Recognition, *IEEE Transactions on Image Processing (T-IP)*, Volume:, Issue:, Page(s):, 2016.
- [J-14] Shuhui Jiang, Xueming Qian, Tao Mei, and **Yun Fu**, Personalized Travel Sequence Recommendation on Multi-Source Big Social Media, *IEEE Transactions on Big Data (T-BD)*, Volume:, Issue:, Page(s):, 2016.
- [J-15] Yong Du, **Yun Fu**, and Liang Wang, Representation Learning of Temporal Dynamics for Skeleton Based Action Recognition, *IEEE Transactions on Image Processing (T-IP)*, Volume:, Issue:, Page(s):, 2016.
- [J-16] Yu Kong and **Yun Fu**, Max-Margin Action Prediction Machine, *IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI)*, Volume:, Issue:, Page(s):, 2016.
- [J-17] Ming Shao and **Yun Fu**, Cross-Modality Feature Learning through Generic Hierarchical Hyperlingual-Words, *IEEE Transactions on Neural Networks and Learning Systems (T-NNLS)*, Volume:, Issue:, Page(s):, 2016.
- [J-18] Yu Kong and **Yun Fu**, Close Human Interaction Recognition using Patch-aware Models, *IEEE Transactions on Image Processing (T-IP)*, Volume:, Issue:, Page(s):, 2015.
- [J-19] Zhengming Ding, Ming Shao, and **Yun Fu**, Missing Modality Transfer Learning via Latent Low-Rank Constraint, *IEEE Transactions on Image Processing (T-IP)*, Volume:, Issue:, Page(s):, 2015.
- [J-20] Sheng Li and **Yun Fu**, Learning Robust and Discriminative Subspace with Low-Rank Constraints, *IEEE Transactions on Neural Networks and Learning Systems (T-NNLS)*, Volume:, Issue:, Page(s):, 2015.
- [J-21] Sheng Li and **Yun Fu**, Learning Balanced and Unbalanced Graphs via Low-Rank Coding, *IEEE Transactions on Knowledge and Data Engineering (T-KDE)*, Volume: 27, Issue: 5, Page(s): 1274-1287, 2015.
- [J-22] Yu Kong, Behnam Satarboroujeni, and **Yun Fu**, Learning Hierarchical 3D Kernel Descriptors for RGB-D Action Recognition, *Computer Vision and Image Understanding (CVIU)*, Volume:, Issue:, Page(s):, 2015.
- [J-23] Mohammad Soleymani, Sadjad Asghari-Esfeden, **Yun Fu**, and Maja Pantic, Analysis of EEG signals and facial expressions for continuous emotion detection, *IEEE Transactions on Affective Computing (T-AF)*, Volume:, Issue:, Page(s):, 2015.

- [J-24] Shuhui Jiang, Xueming Qian, Jialie Shen, **Yun Fu**, and Tao Mei, Author Topic Model-based Collaborative Filtering for Personalized POI Recommendations, *IEEE Transactions on MultiMedia (T-MM)*, Volume:17, Issue:6, Page(s): 907-918, 2015.
- [C-01] Yu Kong, Zhiqiang Tao, and **Yun Fu**, Deep Sequential Context Networks for Action Prediction, *CVPR*, 2017
- [C-02] Zhengming Ding, Ming Shao and **Yun Fu**, Low-Rank Embedded Ensemble Semantic Dictionary for Zero-Shot Learning, *CVPR*, 2017
- [C-03] Zhiqiang Tao, Hongfu Liu, Huazhu Fu and **Yun Fu**, Image Cosegmentation via Saliency-Guided Constraint Clustering with Cosine Similarity, *AAAI*, 2017
- [C-04] Zhiqiang Tao, Hongfu Liu and **Yun Fu**, Simultaneous Clustering and Ensemble, *AAAI*, 2017
- [C-05] Jun Li, Yu Kong and **Yun Fu**, Sparse Subspace Clustering by Learning Approximation L₀ Codes, *AAAI*, 2017
- [C-06] Shuyang Wang, Zhengming Ding and **Yun Fu**, Feature Selection Guided Auto-Encoder, *AAAI*, 2017
- [C-07] Handong Zhao, Zhengming Ding and **Yun Fu**, Multi-view Clustering via Deep Matrix Factorization, *AAAI*, 2017
- [C-08] Taleb Alashkar, Songyao Jiang, Shuyang Wang and **Yun Fu**, Example-Rules Guided Deep Neural Network for Makeup Recommendation, *AAAI*, 2017
- [C-09] Shuyang Wang, Joseph Robinson, and **Yun Fu**, Kinship Verification on Families in the Wild with Marginalized Denoising Metric Learning, *FG*, 2017
- [C-10] Taleb Alashkar, Songyao Jiang, and **Yun Fu**, Rule-based Facial Makeup Recommendation System, *FG*, 2017
- [C-11] Hongfu Liu, Haiyi Mao, and **Yun Fu**, Robust Multi-View Feature Selection, *IEEE International Conference on Data Mining (ICDM)*, 2016 (regular paper, 8.5%)
- [C-12] Hongfu Liu, Ming Shao, and **Yun Fu**, Structure-Preserved Multi-Source Domain Adaptation, , *IEEE International Conference on Data Mining (ICDM)*, 2016 (short paper, 11.1%)
- [C-13] Zhengming Ding, Ming Shao and **Yun Fu**, Deep Robust Encoder through Locality Preserving Low-Rank Dictionary, *The 14th European Conference on Computer Vision (ECCV)*, 2016
- [C-14] Hongfu Liu, Yuchao Zhang, Bo Deng, and **Yun Fu**, Outlier Detection via Sampling Ensemble, *IEEE International Conference on Big Data (IEEE BigData 2016)*, 2016
- [C-15] Yue Wu, Jun Li, Yu Kong, and **Yun Fu**, Deep Convolutional Neural Network with Independent Softmax for Large Scale Face Recognition, *ACM Multimedia (MM)*, 2016
- [C-16] Joseph Robinson, Ming Shao, Yue Wu, and **Yun Fu**, Families in the Wild (FIW): Large-Scale Kinship Image Database and Benchmarks, *ACM Multimedia (MM)*, 2016
- [C-17] Hayi Mao, Yue Wu, Jun Li, and **Yun Fu**, Super Resolution of the Partial Pixelated Images with Deep Convolutional Neural Network, *ACM Multimedia (MM)*, 2016
- [C-18] Yi Tian, Qiuqi Ruan, Gaoyun An, and **Yun Fu**, Action Recognition using Local Consistent Group Sparse Coding with Spatio-Temporal Structure, *ACM Multimedia (MM)*, 2016
- [C-19] Shuhui Jiang, Yue Wu, and **Yun Fu**, What Shall I Buy Next: Accessories Recommendation via Deep Bi-directional Cross-triplet Embedding, *ACM Multimedia (MM)*, 2016
- [C-20] Zhiqiang Tao, Hongfu Liu, Sheng Li and **Yun Fu**, Robust Spectral Ensemble Clustering, *The 25th ACM International Conference on Information and Knowledge Management (CIKM)*, 2016
- [C-21] Sheng Li, Yaliang Li, and **Yun Fu**, Multi-View Time Series Classification: A Discriminative Bilinear Projection Approach, *The 25th ACM International Conference on Information and Knowledge Management (CIKM)*, 2016
- [C-22] Hongfu Liu, Ming Shao, Sheng Li, and **Yun Fu**, Infinite Ensemble for Image Clustering, *ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*, 2016
- [C-23] Handong Zhao, Hongfu Liu, and **Yun Fu**, Incomplete Multimodal Visual Data Grouping, *International Joint Conference on Artificial Intelligence (IJCAI)*, 2016

- [C-24] Shuyang Wang, Zhengming Ding, and **Yun Fu**, Coupled Marginalized Auto-encoders for Cross- domain Multi-view Learning, *International Joint Conference on Artificial Intelligence (IJCAI)*, 2016
- [C-25] Sheng Li, Nikos Vlassis, Jaya Kawale, and **Yun Fu**, Matching via Dimensionality Reduction for Estimation of Treatment Effects in Digital Marketing Campaigns, *International Joint Conference on Artificial Intelligence (IJCAI)*, 2016
- [C-26] Shuyang Wang and **Yun Fu**, Face Behind Makeup, The Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2016
- [C-27] Zhengming Ding and **Yun Fu**, Robust Multi-view Subspace Learning through Dual Low-rank Decompositions, The Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2016
- [C-28] Shuhui Jiang, Ming Shao, Chengcheng Jia and **Yun Fu**, Consensus Style Centralizing Auto-encoder for Weak Style Classification, The Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2016
- [C-29] Ming Shao, Zhengming Ding, Handong Zhao and **Yun Fu**, Spectral Bisection Tree Guided Deep Adaptive Exemplar Autoencoder for Unsupervised Domain Adaptation, The Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2016
- [C-30] Hongfu Liu, Ming Shao and **Yun Fu**, Consensus Guided Unsupervised Feature Selection, The Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2016
- [C-31] Handong Zhao, Zhengming Ding and **Yun Fu**, Pose-dependent Low-Rank Embedding for Head Pose Estimation, The Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2016
- [C-32] Zhengming Ding, Ming Shao and **Yun Fu**, Transfer Learning for Image Classification with Incomplete Multiple Sources, International Joint Conference on Neural Networks (IJCNN), 2016
- [C-33] Sheng Li and **Yun Fu**, Unsupervised Transfer Learning via Low-Rank Coding for Image Clustering, International Joint Conference on Neural Networks (IJCNN), 2016
- [C-34] Chengcheng Jia, Ming Shao and **Yun Fu**, Sparse Canonical Temporal Alignment with NTF for RGB-D Action Recognition, International Joint Conference on Neural Networks (IJCNN), 2016
- [C-35] Guoqiang Zhong, Yan Zheng, Sheng Li and **Yun Fu**, Scalable Large Margin Online Metric Learning, International Joint Conference on Neural Networks (IJCNN), 2016
- [C-36] Zhengming Ding, Nasser M Nasrabadi, **Yun Fu**, Task-Driven Deep Transfer Learning for Image Classification, IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2016.
- [C-37] Zhengming Ding, Nasser Nasrabadi, and **Yun Fu**, Deep transfer learning for automatic target classification: MWIR to LWIR, Proc. SPIE 9844, Automatic Target Recognition XXVI, 984408, 2016.
- [C-38] Joseph P. Robinson and **Yun Fu**, Pre-trained D-CNN models for detecting complex events in unconstrained videos, Proc. SPIE 9871, Sensing and Analysis Technologies for Biomedical and Cognitive Applications 2016, 987100, 2016.
- [C-39] Handong Zhao and **Yun Fu**, Dual-regularized Multi-view Outlier Detection, International Joint Conference on Artificial Intelligence (IJCAI), 2015
- [C-40] Handong Zhao and **Yun Fu**, Semantic Single Video Segmentation with Robust Graph Representation, International Joint Conference on Artificial Intelligence (IJCAI), 2015
- [C-41] Zhengming Ding, Ming Shao, and **Yun Fu**, Deep Low-Rank Coding for Transfer Learning, International Joint Conference on Artificial Intelligence (IJCAI), 2015
- [C-42] Sheng Li, Ming Shao, and **Yun Fu**, Cross-View Projective Dictionary Learning for Person Re-identification, International Joint Conference on Artificial Intelligence (IJCAI), 2015
- [C-43] Ming Shao, Sheng Li, Zhengming Ding, and **Yun Fu**, Deep Linear Coding for Fast Graph Clustering, International Joint Conference on Artificial Intelligence (IJCAI), 2015
- [C-44] Yu Kong and **Yun Fu**, Bilinear Heterogeneous Information Machine for RGB-D Action Recognition, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2015

- [C-45] Sheng Li, Kang Li, and **Yun Fu**, Temporal Subspace Clustering for Human Motion Segmentation, International Conference on Computer Vision (**ICCV**), 2015
- [C-46] Hongfu Liu, Tongliang Liu, Junjie Wu, Dacheng Tao, **Yun Fu**, Spectral Ensemble Clustering, 21th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD**), 2015
- [C-47] Hongfu Liu and **Yun Fu**, Clustering with Partition Level Side Information, IEEE International Conference on Data Mining (**ICDM**), 2015
- [C-48] Handong Zhao, Zhengming Ding, Ming Shao, and **Yun Fu**, Part-Level Regularized Semi-Nonnegative Coding for Semi-Supervised Learning, IEEE International Conference on Data Mining (**ICDM**), 2015
- [C-49] Sheng Li, Ming Shao, and **Yun Fu**, Multi-view Low-Rank Analysis for Outlier Detection, SIAM International Conference on Data Mining (**SDM**), 2015
- [C-50] Hongfu Liu, Junjie Wu, Dacheng Tao, Yuchao Zhang and **Yun Fu**, DIAS: A Disassemble-Assemble Framework for Highly Sparse Text Clustering, SIAM International Conference on Data Mining (**SDM**), 2015
- [C-51] Sheng Li, Jaya Kawale and **Yun Fu**, Deep Collaborative Filtering via Marginalized Denoising Auto-encoder, The 24th ACM International Conference on Information and Knowledge Management (**CIKM**), 2015. (Full Paper, Acceptance Rate: 18%)
- [C-52] Sheng Li, Jaya Kawale, and **Yun Fu**, Predicting User Behavior in Display Advertising via Dynamic Collective Matrix Factorization, ACM **SIGIR**, 2015
- [C-53] Yu Kong, Behnam Sattar, and **Yun Fu**, Hierarchical 3D Kernel Descriptors for Action Recognition Using Depth Sequences, IEEE Conference on Automatic Face and Gesture Recognition (**FG**), 2015
- [C-54] Handong Zhao, Zhengming Ding, and **Yun Fu**, Block-wise Constrained Sparse Graph for Face Image Representation, IEEE Conference on Automatic Face and Gesture Recognition (**FG**), 2015
- [C-55] Zhengming Ding, Sungjoo Suh, Jae-Joon Han, Changkyu Choi, and **Yun Fu**, Discriminative Low-Rank Metric Learning for Face Recognition, IEEE Conference on Automatic Face and Gesture Recognition (**FG**), 2015
- [C-56] Ming Shao, Zhengming Ding, and **Yun Fu**, Sparse Low-Rank Fusion based Deep Features for Missing Modality Face Recognition, IEEE Conference on Automatic Face and Gesture Recognition (**FG**), 2015
- [C-57] Yong Du, **Yun Fu**, and Liang Wang, Skeleton Based Action Recognition with Convolutional Neural Network, The 3rd IAPR Asian Conference on Pattern Recognition (**ACPR**), 2015
- [C-58] Michael A. Stefanone, Gregory D. Saxton, Michael J. Egnoto, Wayne X. Wei, and **Yun Fu**, Image Attributes and Diffusion via Twitter: The Case of #guncontrol, Proceedings of the 48th Hawaii International Conference on System Sciences (**HICSS**), 1879-1889. January 5-8, Kauai, 2015

Acknowledgements of Support





Last Update: 9-28-2015, Copyright 2004-2016, *Raymond Fu*, All Rights Reserved