

Zhengming Ding

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APPOINTMENT	Tenure-Track Assistant Professor, Department of Computer Science, Tulane University	01/2021 – Present
	Tenure-Track Assistant Professor, Department of CIT, Indiana University-Purdue University Indianapolis	08/2018 – 12/2020
EDUCATION	Northeastern University, Boston, USA <i>Doctor of Philosophy,</i> Supervisor: Yun Fu Thesis: Deep Multi-Factor Forensic Face Recognition (National Institute of Justice Fellowship)	09/2013–06/2018 Major: Computer Engineering, GPA: 3.9
	University of Electronic Science and Technology of China, <i>Master of Engineering,</i> Supervisor: Yue Wu, Ke Lu Thesis: Research on Manifold Learning Techniques for Video-based Face Recognition	09/2010–06/2013 Major: Computer Software and Theory, GPA: 3.2
	University of Electronic Science and Technology of China, <i>Bachelor of Engineering,</i> Advisor: Ke Lu Thesis: Research on Novel Data Model for Video-based Face Recognition	09/2006–07/2010 Major: Information Security, GPA: 3.6
RESEARCH INTERESTS	My research interest lies in computer vision and machine learning, with a focus on developing scalable algorithms to learn robust representations from large-scale data. § Deep Learning (Deep Auto-Encoder, Deep CNN, LSTM, Generative Model) § Transfer Learning, Multi-view Learning, Zero-Shot Learning § Low-Rank Modeling, Manifold Learning, Subspace Learning, Metric Learning § Fairness Learning, Federated Learning	
RESEARCH EXPERIENCE	Northeastern University, Position: Research Assistant, Topic: Low-Rank Modeling & Deep Learning for Applied Machine Learning	09/2013–06/2018 Supervisor: Prof. Yun Raymond Fu
	Microsoft Research, Position: Research Intern, Topic: Generative Model for Low-Shot Learning	06/2017–09/2017 Supervisor: Yandong Guo, Lei Zhang
	Adobe Systems Incorporated, Position: Data Scientist Intern, Topic: Multi-touch Attribution	05/2016–07/2016 Supervisor: William Yan
	Army Research Lab, Position: Research Intern, Topic: Deep Transfer Learning	06/2015–08/2015 Supervisor: Nasser M. Nasrabadi
TEACHING EXPERIENCE	Instructor: CMPS 2200: Introduction to Algorithm, Tulane University, 2021 Spring Instructor: CIT 21400: Database Implementation and Administration, IUPUI, 2020 Fall Instructor: CIT 14000: Python Programming, IUPUI, 2020 Spring Instructor: Tech 58100: Deep Learning and Applications, IUPUI, 2019 Spring Instructor: CIT 47900: Database Implementation and Administration, IUPUI, 2018/2019/2020 Fall	

- [T-1] **Zhengming Ding**, Ming Shao and Handong Zhao. *Robust Multi-view Visual Learning: A Knowledge Flow Perspective*, International Joint Conference on Artificial Intelligence (IJCAI-20), Yokohama, Japan
- [T-2] **Zhengming Ding**, Hongfu Liu and Handong Zhao. *Deep Multi-view Data Analytics*, Thirty-Third AAAI Conference on Artificial Intelligence (AAAI-19), Honolulu, Hawaii, USA
- [T-3] **Zhengming Ding**, Ming Shao, Yun Fu. *Large-Scale Multi-view Data Analysis*, IEEE International Conference on Big Data, 2018, Seattle, WA, USA.
- [T-4] **Zhengming Ding**, Ming Shao, Yun Fu. *Multi-view Visual Data Analytics*, IEEE International Conference on Computer Vision and Pattern Recognition, 2018, Salt Lake City, Utah, USA
- [T-5] **Zhengming Ding**, Handong Zhao, Yun Fu. *Multi-view Face Representation*, IEEE International Conference on Automatic Face and Gesture Recognition, 2017, in Washington DC, USA

PUBLICATIONS Summary:

- more than 90 peer-reviewed research papers, including one SPIE Lockheed Martin Best Paper Award, 2016 and one Best Paper Candidate in ACM MM 2017.
- Full Research Papers published in various prestigious conferences, including CVPR, ICCV, ECCV, IJCAI, AAAI, ICDM, ACM MM etc., and prestigious journals including IEEE TPAMI (impact factor 17.861), IEEE TIP (impact factor 9.340), IEEE TNNLS (impact factor 8.793), etc.
- 2815 citations; h-index: 31; i10-index: 62 (by Aug 2021).

Journal Papers:

- [J-1] Tongxin Wang, Wei Shao, Zhi Huang, Haixu Tang, Jie Zhang, **Zhengming Ding**, and Kun Huang. *MOGONET integrates multi-omics data using graphconvolutional networks allowing patientclassification and biomarker identification*. Nature Communication, 12, Article number: 3445 (2021).
- [J-2] Lichen Wang, **Zhengming Ding**, Yun Fu. *Generic Multi-label Annotation via Adaptive Graph and Marginalized Augmentation*. ACM Transactions on Knowledge Discovery from Data (TKDD), 2021 (in press).
- [J-3] Jing Sun, Zhihui Wang, Wei Wang, Mingshi Yan, Haojie Li, Fuming Sun, **Zhengming Ding**. *Joint Adaptive Dual Graph and Feature Selection for Domain Adaptation*. IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2021 (in press).
- [J-4] Gan Sun, Yang Cong, Jiahua Dong, Yuyang Liu, **Zhengming Ding**, Haibin Yu. *What and How: Generalized Lifelong Spectral Clustering via Dual Memory*. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2021 (in press).
- [J-5] Jiahua Dong, Yang Cong, Gan Sun, Yunsheng Yang, Xiaowei Xu, **Zhengming Ding**. *Weakly-Supervised Cross-Domain Adaptation for Endoscopic Lesions Segmentation*. IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), vol 31, issue 5, pp 2020-2033, 2021
- [J-6] Wei Wang, Shenglun Chen, Yuankai Xiang, Jing Sun, Haojie Li, Zhihui Wang, Fuming Sun, **Zhengming Ding**, Baopu Li. *Sparsely-labeled Source Assisted Domain Adaptation*. Pattern Recognition. Volume 112, Pages 107803, 2021
- [J-7] Bingrong Xu, Zhigang Zeng, Cheng Lian, **Zhengming Ding**. *Semi-Supervised Low-Rank Semantics Grouping for Zero-Shot Learning*. IEEE Transactions on Image Processing (TIP), vol. 30, pp. 2207-2219, 2021
- [J-8] Qianqian Wang, **Zhengming Ding**, Zhiqiang Tao, Quanxue Gao, Yun Fu. *Generative Partial Multi-View Clustering With Adaptive Fusion and Cycle Consistency*. IEEE Transactions on Image Processing (TIP), vol. 30, pp. 1771-1783, 2021
- [J-9] Kai Li, **Zhengming Ding**, Kunpeng Li, Yulun Zhang, and Yun Fu. *Vehicle and Person Re-Identification with Support Neighbor Loss*. IEEE Transactions on Neural Networks and Learning Systems (TNNLS), 2020 (in press)
- [J-10] Jingjing Li, Erpeng Chen, **Zhengming Ding**, Lei Zhu, Ke Lu, and Heng-Tao Shen. *Maximum Density Divergence for Domain Adaptation*. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2020 (in press).

- [J-11] Shuang Li, Chi Harold Liu, Qi Wen, Qiuxia Lin, Limin Su, and **Zhengming Ding**. *Deep Residual Correction Network for Partial Domain Adaptation*. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2020 (in press).
- [J-12] Shuang Li, Chi Harold Liu, Limin Su, Binhui Xie, **Zhengming Ding**, C. L. Philip Chen, Dapeng Wu. *Discriminative Transfer Feature and Label Consistency for Cross-Domain Image Classification*. IEEE Transactions on Neural Networks and Learning Systems (TNNLS), vol. 31, issue 11, pp. 4842-4856, 2020
- [J-13] 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), vol. 31, issue 2, pp. 600-611, 2020.
- [J-14] Shuhui Jiang, **Zhengming Ding**, and Yun Fu. *Heterogeneous Recommendation via Deep Low-rank Sparse Collective Factorization*. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), vol. 42, issue 5, pp. 1097-1111, 2020.
- [J-15] Shuhui Jiang, Haiyi Mao, **Zhengming Ding**, and Yun Fu. *Deep Deep Decision Tree Transfer Boosting*. IEEE Transactions on Neural Networks and Learning Systems (TNNLS), vol. 31, no. 2, pp. 383-395, 2020.
- [J-16] Chengcheng Jia, **Zhengming Ding**, Yu Kong, and Yun Fu. *Semi-Supervised Cross-Modality Action Recognition by Latent Tensor Transfer Learning*. IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), vol. 30, issue 9, pp. 2801-2814, 2020.
- [J-17] **Zhengming Ding**, Ming Shao, and Yun Fu. *Generative Zero-Shot Learning via Low-Rank Embedded Semantic Dictionary*. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), vol. 41, issue. 12, pp. 2861-2874, 2019.
- [J-18] **Zhengming Ding**, and Yun Fu. *Deep Transfer Low-Rank Coding for Cross-Domain Learning*. IEEE Transactions on Neural Networks and Learning Systems (TNNLS), vol. 30, no. 6, pp: 1768-1779, 2019.
- [J-19] **Zhengming Ding**, Ming Shao, Wonjun Hwang, Sungjoo Suh, Jae-Joon Han, Changkyu Choi, and Yun Fu. *Robust Discriminative Metric Learning for Image Representation*. IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), vol. 29, issue. 11, pp. 3173-3183, 2019.
- [J-20] Weiren Yu, **Zhengming Ding**, Chunming Hu, and Hongfu Liu. *Knowledge Reused Outlier Detection*. IEEE Access, vol. 7, pp. 43763-43772, 2019.
- [J-21] Hongfu Liu, Ming Shao, **Zhengming Ding**, and Yun Fu. *Structure-Preserved Unsupervised Domain Adaptation*. IEEE Transactions on Knowledge and Data Engineering (TKDE), vol. 31, no. 4, pp. 799-812, 2019.
- [J-22] Shuyang Wang, **Zhengming Ding**, and Yun Fu. *Discerning Feature Supported Encoder for Image Representation*. IEEE Transactions on Image Processing (TIP), vol. 28, issue 8, pp. 3728-3738, 2019.
- [J-23] Kai Li, **Zhengming Ding**, Sheng Li, and Yun Fu. *Towards Resolution-Invariant Person Re-identification via Projective Dictionary Learning*. IEEE Transactions on Neural Networks and Learning Systems (TNNLS), vol. 30, no. 6, pp. 1896-1907, 2019.
- [J-24] **Zhengming Ding**, and Yun Fu. *Dual Low-Rank Decompositions for Robust Cross-View Learning*. IEEE Transactions on Image Processing (TIP), vol. 28, no. 1, pp. 194-204, 2019.
- [J-25] Lichen Wang, **Zhengming Ding**, and Yun Fu. *Low-Rank Transfer Human Motion Segmentation*. IEEE Transactions on Image Processing (TIP), vol. 28, no. 2, pp. 1023-1034, 2019.
- [J-26] 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), vol. 13, no. 1, article 4, 2019.
- [J-27] **Zhengming Ding**, Nasser Nasrabadi, and Yun Fu. *Semi-supervised Deep Domain Adaptation via Coupled Neural Networks*. IEEE Transactions on Image Processing (TIP), vol. 27, no. 11, pp. 5214-5224, 2018.
- [J-28] Shuang Li, Shiji Song, Gao Huang, **Zhengming Ding**, and Cheng Wu. *Domain Invariant and Class Discriminative Feature Learning for Visual Domain Adaptation*, IEEE Transactions on Image Processing (TIP), vol. 27, no. 9, pp. 4260-4273, 2018.

- [J-29] **Zhengming Ding**, and Yun Fu. *Robust Multi-view Data Analysis through Collective Low-Rank Subspace*. IEEE Transactions on Neural Networks and Learning Systems (TNNLS), vol. 29, no. 5, pp. 1986-1997, 2018.
- [J-30] **Zhengming Ding**, Ming Shao, and Yun Fu. *Incomplete Multisource Transfer Learning*. IEEE Transactions on Neural Networks and Learning Systems (TNNLS), vol. 29, no. 2, pp. 310-323, 2018.
- [J-31] **Zhengming Ding**, and Yun Fu. *Deep Domain Generalization with Structured Low-Rank Constraint*. IEEE Transactions on Image Processing (TIP), vol. 27, no. 1, pp. 304-313, 2018.
- [J-32] Shuyang Wang, **Zhengming Ding**, and Yun Fu. *Marginalized Denoising Dictionary Learning with Locality Constraint*. IEEE Transactions on Image Processing (TIP), vol. 27, no. 1, pp. 500-510, 2018.
- [J-33] Handong Zhao, Hongfu Liu, **Zhengming Ding**, and Yun Fu. *Consensus Regularized Multi-View Outlier Detection*. IEEE Transactions on Image Processing (TIP), vol. 27, no. 1, pp. 236-248, 2018.
- [J-34] Handong Zhao, **Zhengming Ding**, and Yun Fu. *Ensemble Subspace Segmentation Under Block-wise Constraints*. IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), vol. 28, no. 7, 1526-1539, 2018.
- [J-35] **Zhengming Ding**, and Yun Fu. *Robust Transfer Metric Learning for Image Classification*. IEEE Transactions on Image Processing (TIP), vol. 26, no.2, pp. 660-670, 2017.
- [J-36] Yu Kong, **Zhengming Ding**, Jun Li, and Yun Fu. *Deeply Learned View-Invariant Features for Cross-View Action Recognition*. IEEE Transactions on Image Processing (TIP), vol. 26, no. 6, pp. 3028-3037, 2017.
- [J-37] **Zhengming Ding**, Ming Shao, and Yun Fu. *Missing Modality Transfer Learning via Latent Low-Rank Constraint*. IEEE Transactions on Image Processing (TIP), vol. 24, no. 11, pp. 4322-4334, 2015.
- [J-38] Ke Lu, **Zhengming Ding**, and Sam Ge. *Sparse Representation Based Graph Embedding for Traffic Sign Recognition*. IEEE Transactions on Intelligent Transportation Systems (TITS), vol. 13, no. 4, pp. 1515-1524, 2012.
- [J-39] Ke Lu, **Zhengming Ding**, and Sam Ge. *Locally Connected Graph for Visual Tracking*. Neurocomputing, vol. 120, no. 23, pp. 45-53, 2012.
- [J-40] Ke Lu, **Zhengming Ding**, and Jidong Zhao. *Locally connected graph embedding for semisupervised image classification*. Journal of Electronic Imaging, vol. 21, no. 4, 2012.

Conference Papers:

- [C-1] Taotao Jing, Hongfu Liu and **Zhengming Ding**. *Towards Novel Target Discovery Through Open-Set Domain Adaptation*. International Conference on Computer Vision (ICCV) (Oral Presentation), 2021.
- [C-2] Taotao Jing, Handong Zhao and **Zhengming Ding**. *Adaptive Adversarial Network for Source-free Domain Adaptation*. International Conference on Computer Vision (ICCV), 2021.
- [C-3] Ce Zheng, Sijie Zhu, Matias Mendieta, Taojiannan Yang, Chen Chen and **Zhengming Ding**. *3D Human Pose Estimation Using Spatial and Temporal Transformers*. International Conference on Computer Vision (ICCV), 2021.
- [C-4] Haifeng Xia, Taotao Jing, Chen Chen, and **Zhengming Ding**. *Semi-supervised Domain Adaptive Retrieval via Discriminative Hashing Learning*. ACM International Conference on Multimedia (ACM MM), 2021.
- [C-5] Mengmeng Jing, Jingjing Li, Lei Zhu, **Zhengming Ding**, Ke Lu and Yang Yang. *Balanced Open Set Domain Adaptation via Centroid Alignment*. Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI), 2021
- [C-6] Tao Zhang, Yang Cong, Gan Sun, Jiahua Dong, Yuyang Liu and **Zhengming Ding**. *Generative Partial Visual-Tactile Fused Object Clustering*. Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI), 2021
- [C-7] Tongxin Wang, **Zhengming Ding**, Wei Shao, Haixu Tang and Kun Huang. *Towards Fair Cross-Domain Adaptation via Generative Learning*. Winter Conference on Applications of Computer Vision (WACV) 2021.
- [C-8] Taotao Jing, **Zhengming Ding**. *Adversarial Dual Distinct Classifiers for Unsupervised Domain Adaptation*. Winter Conference on Applications of Computer Vision (WACV) 2021.

- [C-9] Taotao Jing, Haifeng Xia, **Zhengming Ding**. *Adaptively-Accumulated Knowledge Transfer for Partial Domain Adaptation*. ACM International Conference on Multimedia (ACM MM), 2020.
- [C-10] Shuang Li, Binhui Xie, Jiashu Wu, Ying Zhao, Chi Harold Liu, **Zhengming Ding**. *Simultaneous Semantic Alignment Network for Heterogeneous Domain Adaptation*. ACM International Conference on Multimedia (ACM MM), 2020.
- [C-11] Jingjing Li, Mengmeng Jing, Lei Zhu, **Zhengming Ding**, Ke Lu, Yang Yang. *Learning Modality-Invariant Latent Representations for Generalized Zero-shot Learning*. ACM International Conference on Multimedia (ACM MM), 2020.
- [C-12] Haifeng Xia, **Zhengming Ding**. *HGNet: Hybrid Generative Network for Zero-shot Domain Adaptation*. European Conference on Computer Vision (ECCV), 2020.
- [C-13] Yunyu Liu, Lichen Wang, Yue Bai, Can Qin, **Zhengming Ding**, Yun Fu. *Generative View-Correlation Adaptation for Semi-Supervised Multi-View Learning*. European Conference on Computer Vision (ECCV), 2020.
- [C-14] Haifeng Xia, **Zhengming Ding**. *Structure-Preserving Generative Cross-Domain Learning*. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2020.
- [C-15] Wei Wang, Haojie Li, Zhihui Wang, Juan Zhou and **Zhengming Ding**. *Adaptive Local Neighbors for Transfer Discriminative Feature Learning*. 24th European Conference on Artificial Intelligence (ECAI), 2020.
- [C-16] Guanglei Yang, Haifeng Xia, Mingli Ding, **Zhengming Ding**. *Bi-Directional Generation for Unsupervised Domain Adaptation*. 34th AAAI Conference on Artificial Intelligence (AAAI), 2020
- [C-17] Shuang Li, Chi Harold Liu, Qiuxia Lin, Binhui Xie, **Zhengming Ding**, Gao Huang, Jian Tang. *Domain Conditioned Adaptation Network*. 34th AAAI Conference on Artificial Intelligence (AAAI), 2020
- [C-18] Tao Zhang, Yang Cong, Gan Sun, Qianqian Wang, **Zhengming Ding**. *Visual Tactile Fusion Object Clustering*. 34th AAAI Conference on Artificial Intelligence (AAAI), 2020
- [C-19] Lichen Wang, **Zhengming Ding**, Seungju Han, Jae-Joon Han, Changkyu Choi, Yun Fu. *Generative Correlation Discovery Network for Multi-Label Learning*. IEEE International Conference on Data Mining (ICDM), 2019
- [C-20] Lichen Wang, **Zhengming Ding**, Zhiqiang Tao, Yunyu Liu, Yun Fu. *Generative Multi-View Human Action Recognition*. International Conference on Computer Vision (ICCV), 2019.
- [C-21] Jingjing Li, Erpeng Chen, **Zhengming Ding**, Lei Zhu, Ke Lu and Zi Huang. *Cycle-consistent Conditional Adversarial Transfer Networks*. ACM International Conference on Multimedia (ACM MM), 2019.
- [C-22] Shuang Li, Chi Harold Liu, Binhui Xie, Limin Su, **Zhengming Ding** and Gao Huang. *Joint Adversarial Domain Adaptation*. ACM International Conference on Multimedia (ACM MM), 2019.
- [C-23] **Zhengming Ding**, and Hongfu Liu. *Marginalized Latent Semantic Encoder for Zero-Shot Learning*. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019.
- [C-24] Jingjing Li, Mengmeng Jing, Ke Lu, **Zhengming Ding**, Lei Zhu and Zi Huang. *Leveraging the Invariant Side of Generative Zero-Shot Learning*. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019.
- [C-25] **Zhengming Ding**, Sheng Li, Ming Shao and Yun Fu. *Graph Adaptive Knowledge Transfer for Unsupervised Domain Adaptation*. European Conference on Computer Vision (ECCV), 2018
- [C-26] **Zhengming Ding**, Ming Shao, Sheng Li, and Yun Fu. *Generic Embedded Semantic Dictionary for Robust Multi-label Classification*. IEEE International Conference on Big Knowledge (ICBK), 2018
- [C-27] Qianqian Wang, **Zhengming Ding**, Zhiqiang Tao, Quanxue Gao, and Yun Fu. *Partial Multi-View Clustering via Consistent GAN*. IEEE International Conference on Data Mining (ICDM), 2018.
- [C-28] Kai Li, **Zhengming Ding**, Kunpeng Li, Yulun Zhang, and Yun Fu. *Support Neighbor Loss for Person Re-Identification*. ACM International Conference on Multimedia (ACM MM), 2018.
- [C-29] **Zhengming Ding**, Ming Shao, and Yun Fu. *Robust Multi-view Representation: A Unified Perspective from Multi-view Learning to Domain Adaption*. International Joint Conference on Artificial Intelligence (IJCAI), 2018.

- [C-30] Lichen Wang, **Zhengming Ding**, and Yun Fu. *Adaptive Graph Guided Embedding for Multi-label Annotation*. International Joint Conference on Artificial Intelligence (IJCAI), 2018.
- [C-31] **Zhengming Ding**, Yandong Guo, Lei Zhang, and Yun Fu. *One-Shot Face Recognition via Generative Learning*. IEEE Conference on Automatic Face and Gesture Recognition (FG), 2018.
- [C-32] Yue Wu, **Zhengming Ding**, Hongfu Liu, Joseph Robinson, and Yun Fu. *Kinship Classification through Latent Adaptive Subspace*. IEEE Conference on Automatic Face and Gesture Recognition (FG), 2018.
- [C-33] Kai Li, Sheng Li, **Zhengming Ding**, Weidong Zhang, and Yun Fu. *Latent Discriminant Subspace Representations for Multi-view Outlier Detection*. 32nd AAAI Conference on Artificial Intelligence (AAAI), 2018.
- [C-34] Kai Li, **Zhengming Ding**, Sheng Li, and Yun Fu. *Semi-coupled Projective Dictionary Learning for Low-Resolution Person Re-Identification*. 32nd AAAI Conference on Artificial Intelligence (AAAI), 2018.
- [C-35] Lichen Wang, **Zhengming Ding**, and Yun Fu. *Transferable Subspace for Human Motion Segmentation*. 32nd AAAI Conference on Artificial Intelligence (AAAI), 2018.
- [C-36] **Zhengming Ding**, Ming Shao and Yun Fu. *Low-Rank Embedded Ensemble Semantic Dictionary for Zero-Shot Learning*. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2017.
- [C-37] Shuhui Jiang, **Zhengming Ding**, and Yun Fu. *Deep Low-rank Sparse Collective Factorization for Cross-Domain Recommendation*. ACM Multimedia (ACM MM), 2017 (Best Paper Candidate).
- [C-38] Wencang Zhao, Yu Kong, **Zhengming Ding**, and Yun Fu. *Deep Active Learning Through Cognitive Information Parcels*. ACM International Conference on Multimedia (ACM MM), 2017.
- [C-39] Zhiqiang Tao, Hongfu Liu, Sheng Li, **Zhengming Ding**, and Yun Fu. *From Ensemble Clustering to Multi-View Clustering*. International Joint Conference on Artificial Intelligence (IJCAI), 2017.
- [C-40] Shuyang Wang, **Zhengming Ding**, and Yun Fu. *Feature Selection Guided Auto-Encoder*. 31st AAAI Conference on Artificial Intelligence (AAAI), 2017.
- [C-41] Handong Zhao, **Zhengming Ding**, and Yun Fu. *Multi-view Clustering via Deep Matrix Factorization*. 31st AAAI Conference on Artificial Intelligence (AAAI), 2017.
- [C-42] **Zhengming Ding**, Ming Shao, and Yun Fu. *Deep Robust Encoder through Locality Preserving Low-Rank Dictionary*. European Conference on Computer Vision, (ECCV), 2016.
- [C-43] 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-44] **Zhengming Ding**, Nasser Nasrabadi, and Yun Fu. *Deep Transfer Learning for Automatic Target Classification: MWIR to LWIR*. SPIE Defense+ Security, 2016 (Best Paper Award).
- [C-45] **Zhengming Ding**, Ming Shao and Yun Fu. *Transfer Learning for Image Classification with Incomplete Multiple Sources*. The annual International Joint Conference on Neural Networks (IJCNN), 2016.
- [C-46] **Zhengming Ding**, Nasser M Nasrabadi, and Yun Fu. *Task-driven Deep Transfer Learning for Image Classification*. 41st IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2016.
- [C-47] **Zhengming Ding**, and Yun Fu. *Robust Multi-view Subspace Learning through Dual Low-rank Decompositions*. Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2016.
- [C-48] Ming Shao, **Zhengming Ding**, Handong Zhao, and Yun Fu. *Spectral Bisection Tree Guided Deep Adaptive Exemplar Autoencoder for Unsupervised Domain Adaptation*. Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2016.
- [C-49] Handong Zhao, **Zhengming Ding**, and Yun Fu. *Pose-dependent Low-Rank Embedding for Head Pose Estimation*. Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2016.
- [C-50] 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-51] **Zhengming Ding**, Ming Shao, and Yun Fu. *Deep Low-rank Coding for Transfer Learning*. International Joint Conference on Artificial Intelligence (IJCAI), 2015.
- [C-52] 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-53] **Zhengming Ding**, Sungjoo Suh, Jae-Joon Han, Changkyu Choi, and Yun Fu. *Discriminative Low-Rank Metric Learning for Face Recognition*. International Conference on Automatic Face and Gesture Recognition (FG), 2015.
- [C-54] Ming Shao, **Zhengming Ding**, and Yun Fu. *Sparse Low-Rank Fusion based Deep Features for Missing Modality Face Recognition*. International Conference on Automatic Face and Gesture Recognition (FG), 2015.
- [C-55] Handong Zhao, **Zhengming Ding**, and Yun Fu. *Block-wise Constrained Sparse Graph for Face Image Representation*. International Conference on Automatic Face and Gesture Recognition (FG), 2015.
- [C-56] **Zhengming Ding**, Yun Fu. *Low-Rank Common Subspace for Multi-View Learning*. IEEE International Conference on Data Mining (ICDM), 2014.
- [C-57] Chengcheng Jia, Yu Kong, **Zhengming Ding**, and Yun Fu. *Latent Tensor Transfer Learning for RGB-D Action Recognition*. The 22nd ACM International Conference on Multimedia (ACM MM), 2014.
- [C-58] **Zhengming Ding**, Ming Shao, and Yun Fu. *Latent Low-Rank Transfer Subspace Learning for Missing Modality Recognition*. Twenty-Eighth AAAI Conference on Artificial Intelligence (AAAI), 2014.

Patent:

- [P-1] Wonjun Hwang, Sungjoo Suh, JaeJoon Han, ChangKyu Choi, Yun Fu, **Zhengming Ding**, Ming Shao. *Method of extracting feature of image to recognize object*. US 20170236000 A1
- [P-2] Sungjoo Suh, Yun Fu, **Zhengming Ding**, ChangKyu Choi and Jaejoon Han. *Apparatus and Method for Extracting Feature Of Image Including Object*. United States Patent Application 20160086047.

Books & Technical Report:

- [B-1] **Zhengming Ding**, Handong Zhao, Yun Fu. *Learning Representation for Multi-View Data Analysis*. Springer Nature, 2018
- [R-1] Stanley Chen, Yaobin Chen, Qiang Yi, **Zhengming Ding**. *Road Condition Detection and Classification from Existing CCTV Feed*. Joint Transportation Research Program, 2019

HONORS

Chinese Government Award for Outstanding Self-Financed Students Abroad,	2017
ACM Multimedia Best Paper Candidate,	2017
Travel Award for National Institute of Justice (NIJ) Forensic Science Research & Development Poster Session at the Pittcon 2018 Conference & Expo,	2017
NEU College of Engineering Outstanding Graduate Research Award,	2017
CVPR/FG Doctoral Consortium Travel Award,	2017
Graduate Student Government Travel Award, NEU,	2017/2016/2015
National Institute of Justice (NIJ) Fellowship,	2016
SPIE Lockheed Martin Best Paper Award,	2016
IJCAI/AAAI Student Travel Award,	2016
NSF Student Travel Award (ICDM-14),	2014
ACM MM Student Travel Award,	2014
National Graduate Scholarship (China),	2012
National Inspirational Scholarship (China),	2007

PROFESSIONAL SERVICES

Associate Editor

- SPIE Journal of Electronic Imaging (JEI)
- IET Image Processing

Guest Editor

- Multimedia Tools and Applications: Special Issue: Transfer Learning for Multimedia Applications
- Spring Nature Computer Science: Special Issue: Recent Developments in Unsupervised Deep Learning
- MDPI Sensors: Special Issue: Advanced Computer Vision Techniques for Autonomous Driving

Program Chair

- CVPR-21 Workshop on Analysis and Modeling of Faces and Gestures (AMFG2021)

- CVPR-19 Workshop on Analysis and Modeling of Faces and Gestures (AMFG2019)
- 3rd International Workshop on Big Data Transfer Learning (BDTL)

Senior Program Committee (SPC)

- 34th AAAI Conference on Artificial Intelligence (AAAI-20)
- 33rd AAAI Conference on Artificial Intelligence (AAAI-19)

Program Committee Member

- 28th International Joint Conference on Artificial Intelligence (IJCAI-19)
- IEEE Conference on Computer Vision and Pattern Recognition 2018 (CVPR 2018)
- The 13th IEEE International Conference on Automatic Face and Gesture Recognition (FG 2018)
- The 1st IEEE International Conference on Multimedia Information Retrieval and Processing (MIPR 2018)
- The 7th IEEE Workshop on Analysis and Modeling of Faces and Gestures in Conjunction with ICCV2017 (AMFG2017)
- International Conference on Affective Computing and Intelligent Interaction (ACII), 2017
- IEEE International Conference on Machine Learning and Applications (ICMLA), 2016/2017

Publicity Chair

- The 2nd International Workshop on Big Data Transfer Learning (BDTL) in Conjunction with IEEE BigData Conference, 2017
- The 7th IEEE Workshop on Analysis and Modeling of Faces and Gestures in Conjunction with ICCV2017 (AMFG2017)

Journal Reviewer

- IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
- IEEE Transactions on Knowledge and Data Engineering (TKDE)
- IEEE Transactions on Image Processing (TIP)
- IEEE Transactions on Neural Network and Learning Systems (TNNLS)
- IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)
- IEEE Transactions on Industrial Informatics (TII)

Conference(External) Reviewer

CVPR2018-2021, AAAI 2016-2021, IJCAI 2016-2021, FG 2015-2021, ECCV 2018-2021, NIPS 2016/2021, ICMLA 2016-2020, ACM MM 2015-2021.

Professional Associations

- Institute of Electrical and Electronics Engineers (IEEE)
- Association for the Advancement of Artificial Intelligence (AAAI)
- Association for Computing Machinery (ACM)