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Professional and Synergistic Activities

Associate Editor-in-Chief (2020~): IEEE Transactions on Circuits & System for Video Technology (T-CSVT)

Associate Editor (2019-): IEEE Trans on Image Processing (T-IP)

Associate Editor (2015 - 2018): IEEE Transactions on Multimedia (T-MM)

Associate Editor (2016 - 2019): IEEE Transactions on Circuits & System for Video Technology (T-CSVT)

Associate Editor (2020-): Frontier in Signal Processing - Image Communication.

Associate Editor (2015 - 2018): Journal of Signal Processing Systems (JSPS), Springer Publication

Guest Editor:

- IEEE Journal on Selected Areas in Communication (J-SAC), special issue on Economics & Optimization in Networks, 2018.
- IEEE Trans on Circuits & System for Video Tech, special issue on Point Cloud Processing & Compression, 2020.

Publications

Book Chapters:

1. L. Li and **Z. Li**, "Light Field and Plenoptic Point Cloud Compression", Springer: *Handbook for Dynamic Data Driven Applications Systems*, Ed. Erik Blasch, 2021.
2. L. Li and **Z. Li**, "Light Field Image Compression", Springer: *Dynamic Data Driven Applications Systems*, Ed. Erik Blasch, 2018.
3. Z. Zheng, **Z. Li**, and A. Nagar, "Compact Deep Neural Networks for Image Understanding on Mobile Devices", Springer: *Mobile and Cloud Visual Media Computing*, Ed. G. Hua, and X. Hua, 2016.
4. H. Zheng, **Z. Li**, Y. Fu, and A. Katsaggelos, "Video Activity Recognition by Luminance Differential Trajectory and Aligned Projection Distance", *Handbook of Statistics*, Ed. V. Govindaraju et. al. Elsevier, 2013.
5. Y. Li, **Z. Li**, J. Huang, and M. Chiang, "Content-Aware Cross-Layer Optimizations in Video Networking", chapter in *Intelligent Multimedia Communication: Techniques and Applications*, Springer-Verlag, Ed. C.-W Chen, Z. Li, and S. Lian, 2010.
6. **Z. Li**, Y. Fu, J. Yuan, Y. Wu, A. K. Katsaggelos and T. S. Huang, "Multimedia Data Indexing", book chapter in *Semantic Mining Technologies for Multimedia Databases*, Ed. D. Tao, D. Xu, and X. Li, IGI Publishing, 2009.
7. **Z. Li**, A. K. Katsaggelos, and G. M. Schuster, "Rate-Distortion Optimal Video Summarization", book chapter in *Intelligent Multimedia Processing with Soft Computing*, pp. 171-204, editors: Y.P. Tan, K. H. Yap, and L. Wang, Springer-Verlag, Heidelberg, 2004.

Journal Papers in Review:

1. L. Li, **Z. Li**, S. Liu, H. Li, "Multiview-Video-Based Compression of Plenoptic Point Clouds", in review with *IEEE Transactions on Image Processing*.
2. A. Akhtar, L. Li, W. Gao, **Z. Li**, W. Jia and S. Liu, "Video-based Point Cloud Compression Artifact Removal", minor revision with *IEEE Trans on Multimedia (T-MM)*, 2021.
3. D. Yang, Y.-X Zou, and **Z. Li**, "Learning Human-Object Interaction via Interactive Semantic Reasoning", in review with *IEEE Trans on Image Processing*.
4. L. Li, **Z. Li**, S. Liu and H. Liu, "Inter Prediction for LiDAR Point Cloud Geometry Compression", in review with *IEEE Transactions on Multimedia(T-MM)*.
5. Y. Mei, L. Li, **Z. Li**, and F. Li, "Learning-Based Scalable Image Compression with Latent-Feature Reuse and Prediction", in review with *IEEE Trans on Multimedia (T-MM)*, 2021.
6. W. Jia, L.Li, **Z. Li**, and S. Liu, "SI-DLVAC Deep Learning Geometry Compression Artifacts Revomal for

Journal Papers: (underlined authors indicate supervised students/post-doc/visiting faculties)

7. X. Sheng, L. Li, D. Liu, Z. Xiong, **Z. Li**, and F. Wu, "Deep-PCAC: An End-to-End Deep Lossy Compression Framework for Point Cloud Attributes", accepted, *IEEE Trans on Multimedia (T-MM)*, 2021.
8. W. Jia, L. Li, **Z. Li** and S. Liu, "Convolutional Neural Network-based Occupancy Map Accuracy Improvement for Video-based Point Cloud Compression", accepted, *IEEE Trans on Multimedia (T-MM)*, 2021.
9. R. Liao, W. An, **Z. Li**, and S. S. Bhattacharyya, "A novel view synthesis approach based on view spacecovering for Gait Recognition", accepted, *Neuralcomputing*, 2021.
10. W. Jia, L. Li, **Z. Li**, X. Zhang and S. Liu, "Residual Guided In-Loop Filter for HEVC", accepted, *ACM Trans on Multimedia Computing, Communication and Applications(TOMM)*, 2021.
11. T. Li, K. Zhang, S. Shen, B. Liu, Q. Liu, and **Z. Li**, "Image Co-saliency Detection and Instance Co-segmentation using Attention Graph Clustering based Graph Convolutional Network", accepted, *IEEE Trans on Multimedia (TMM)*, 2021.
12. Q. Yang, Z. Ma, Y. Xu, **Z. Li**, and J. Sun, "Inferring Point Cloud Quality via Graph Similarity", to appear, *IEEE Trans on Pattern Analysis & Machine Intelligence*, (T-PAMI), 2020.
13. Y. Li, Y. Yi, D. Liu, L. Li, **Z. Li**, and H. Li, "Neural Network Based Cross-Channel Intra Prediction", *ACM Trans on Multimedia Computing Communication and Applications (TOMM)*, 2020.
14. W. Jia, L. Li, **Z. Li**, S. Zhao and S. Liu, Scalable Hash From Triplet Loss Feature Aggregation for Video De-Duplication, *Journal of Visual Communication & Image Representation (JVCIR)*, 2020.
15. L. Li, **Z. Li**, S. Liu, H. Li, "Efficient Projected Frame Padding for Video-based Point Cloud Compression", accepted, *IEEE Transactions on Multimedia*,(T-MM) 2020.
16. L. Li, **Z. Li**, S. Liu, H. Li, "Rate Control for Video-based Point Cloud Compression", accepted with *IEEE Transactions on Image Processing (T-IP)*, 2020.
17. H. Zhang, L. Song, L. Li, **Z. Li**, and X.K. Yang, "Compression Priors Assisted Convolutional Neural Network for Fractional Interpolation", to appear, *IEEE Transactions on Circuits and Systems for Video Technology*.
18. R. Hang, **Z. Li**, Q. Liu, P. Ghamisi and S. Bhattacharyya, "Hyperspectral Image Classification with Attention Aided CNNs", to appear, *IEEE Trans. on Geoscience & Remote Sensing*, 2020.
19. W. Zhu, Z. Ma, Y. Xu, L. Li, and **Z. Li**, "View-Dependent Dynamic Point Cloud Compression", *IEEE Transactions on Circuits and Systems for Video Technology (T-CSVT)*, 2020.
20. Z. Zhang, X. Zhao, X. Li, L. Li, S. Liu, and **Z. Li** "Fast DST-7/DCT-8 with Dual ImplementationSupport for Versatile Video Coding",accepted, *IEEE Trans on Circuits & Sys. for Video Tech (T-CSVT)*, 2020.
21. R. Hang, Z. Li, P. Ghamisi, D. Hong, G. Xia and Q. Liu, "Classification of Hyperspectral and LiDAR Data Using Coupled CNNs," in *IEEE Transactions on Geoscience and Remote Sensing*, (T-GRS), vol. 58, no. 7, pp. 4939-4950, July 2020, doi: 10.1109/TGRS.2020.2969024.
22. Li Li, N. Yan, **Z. Li**, S. Liu, H. Li, " λ -domain Perceptual Rate Control for 360-degree Video Compression", accepted with *IEEE Journal of Selected Topics in Signal Processing*, 2020.
23. L. Li, **Z. Li**, S. Liu, H. Li, "Occupancy-map-based Rate Distortion Optimization and Partition for Video-based Point Cloud Compression", accepted, *IEEE Transactions on Circuits and Systems for Video Technology*, 2019.
24. L. Li, **Z. Li**, V. Zakharchenko, J. Chen, and H. Li, "Advanced 3D Motion Prediction for Video Based Dynamci Point Cloud Compression", accepted, *IEEE Trans on Image Processing*, 2019.
25. D. F. Dewan, Y. Li, **Z. Li**, S. Bhattacharyya, and G. York, "Multi-Scale Gradient Image Super-Resolution for Preserving SIFT Key Points in Low-Resolution Images", special issue on deep learning in super resolution, *Signal Processing: Image Communication*, 2019.
26. W. Ji, **Z. Li**, H.V. Poor, W. Zhu, and C. Timmerer, "Guest Editorial: Multimedia Economics for Future Networks:Theory, Methods, and Applications", *IEEE Journal on Selected Areas in Communication*, 2019.
27. S. Schwarz, M. Preda, V. Baroncini, M. Budagavi, P. César, P. A. Chou, R. A. Cohen, M. Krivokuca, S. Lasserre, **Z. Li**, J. Llach, K. Mammou, R. Mekuria, O. Nakagami, E. Siahann, A. J. Tabatabai, A. M. Tourapis, V. Zakharchenko: Emerging MPEG Standards for Point Cloud Compression. *IEEE J. Emerg. Sel. Topics Circuits Syst.* 9(1): 133-148 (2019) .
28. Li Li, **Z. Li**, Bin Li, Dong Liu, Houqiang Li, "Quadtree-based Coding Framework for High Density Camera Array based Light Field Image", in *IEEE Transactions on Circuits and Systems for Video Technology*, 2019
29. Y. Li, L. Li, D. Liu, H. Li, **Z. Li**, and F. Wu, "Learning a Convolutional Neural Network for Image Compact-Resolution", *IEEE Trans on Image Processing*, 2018.

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30. L. Li, **Z. Li**, X. Ma, H. Yang and H. Li, "Advanced Spherical Motion Model and Local Padding for 360 Video Compression," in *IEEE Transactions on Image Processing*, vol. 28, no. 5, pp. 2342-2356, May 2019.
 31. Z. Zhang, L. Li, **Z. Li** and H. Li, "Mobile Visual Search Compression with Grassmann Manifold Embedding", *IEEE Trans on Circuits & System for Video Technology*, 2018.
 32. L. Li, H. Li, D. Liu, **Z. Li**, H. Yang, S. Lin, F. Wu, "An Efficient Four-Parameter Affine Motion Model for Video Coding", *IEEE Trans on Circuits & System for Video Tech*, 2018.
 33. L. Li, **Z. Li**, B. Li, D. Liu and H. Li, "Pseudo-Sequence-Based 2-D Hierarchical Coding Structure for Light-Field Image Compression," in *IEEE Journal of Selected Topics in Signal Processing*, vol. 11, no. 7, pp. 1107-1119, Oct. 2017, doi: 10.1109/JSTSP.2017.2725198.
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 35. X. Xin, **Z. Li**, and A. K. Katsaggelos, "Laplacian embedding and key points topology verification for large scale mobile visual identification", *Signal Processing: Image Communication*, special issue on mobile visual search, vol. 28(4): 323-333 (2013).
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 39. X. Wang, **Z. Li**, and D. Tao, "Subspaces Indexing on Grassmann Manifold for Image Search", *IEEE Trans. on Image Processing*, vol. 20(9), pp. 2627-2635, September, 2011.
 40. W. Shi, Y. Lu, **Z. Li**, J. Engelsma: "SHARC: A scalable 3D graphics virtual appliance delivery framework in cloud", *Journal of Network and Computer Applications*, vol. 34(4): 1078-1087 (2011)
 41. X. Wang, D. Tao, and **Z. Li**, "Entropy Controlled Laplacian Regularization for Least Square Regression", *Signal Processing*, vol. 90(6): 2043-2049 (2010), Jan. 2010.
 42. Ying Li, **Z. Li**, Mung Chiang and A. Robert Calderbank, "Content-Aware Distortion Fair Video Streaming in Congested Networks", *IEEE Trans. on Multimedia*, vol. 11(6), pp. 1182-1193, Oct. 2009.
 43. L. Gao, **Z. Li**, and A. K. Katsaggelos, "Luminance Filed Trajectory Based Video Indexing and Searching", *IEEE Trans. on Circuits & System for Video Tech*. vol. 19(10), Oct. 2009
 44. Y. Fu, **Z. Li**, J. Yuan, T. S. Huang, and Y. Wu, "Query Driven Model Localization in Pose Estimation and Face Recognition", *IEEE Trans. on Circuits & System for Video Tech*, vol. 18(12), pp. 1741-1752, December, 2008.
 45. Y. Yang, **Z. Li**, W. Shi, Y. Chen, and H. Xu, "Cross-Layer Optimization for State Update in Mobile Gaming", *IEEE Trans. on Multimedia*, vol. 10(5), pp. 701-710, August, 2008.
 46. **Z. Li**, F. Zhai, and A. K. Katsaggelos, "Joint Video Summarization and Transmission Adaptation for Energy Efficient Wireless Streaming", *EURASIP Journal on Advances in Signal Processing*, special issue on Wireless Video, vol. 2008, May, 2008.
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 48. Y. Fu, **Z. Li**, T. S. Huang, and A. K. Katsaggelos, "Locally adaptive subspace and similarity metric learning for visual data clustering and retrieval", *Journal of Computer Vision and Image Understanding (CVIU)*, vol. 110(3), pp. 390-402, June, 2008.
 49. **Z. Li**, J. Huang, M. Chiang, and A. K. Katsaggelos, "Intelligent Wireless Video Communication: Source Adaptation and Multi-User Collaboration", invited paper, special issue on Multimedia Communication, Ed. Changwen Chen, *China Journal of Communication*, December, 2006.
 50. J. Huang, **Z. Li**, M. Chiang, and A. K. Katsaggelos, "Pricing-based Rate Control and Joint Packet Scheduling for Multi-user Wireless Uplink Video Streaming", *Journal of Zhejiang University SCIENCE A*, special issue for 15th Packet Video Workshop (PV), 2006.
 51. **Z. Li**, A. K. Katsaggelos, and B. Bandhi, "Fast Video Shot Segmentation and Retrieval Based on Trace Geometry in Principal Component Space", *IEE Proceedings on Vision, Image and Signal Processing*, pp. 367-373, vol. 152(3), May, 2005.
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pp. 1245-1256, vol. 15, no. 10, October, 2005.

53. **Z. Li**, A. K. Katsagelos, G. Schuster and B. Gandhi, "Rate-Distortion Optimal Video Summary Generation", *IEEE Trans. on Image Processing*, pp. 1550-1560, vol. 14, no. 10, October, 2005.

Referred Conference Papers:

1. Md A. Arefeen, S. T. Nimi, Md Y. Uddin, and **Z. Li**, "A Lightweight ReLU-Based Feature Fusion for Aerial Scene Classification", *IEEE Int'l Conf on Image Processing (ICIP)*, Alaska, USA, 2021.
2. J. Wang, D. Ding, **Z. Li**, and Z. Ma, "Multiscale Point Cloud Geometry Compression", *IEEE Data Compression Conference (DCC)*, Snowbird, USA, 2021.
3. **B. Kathariya**, **L. Li**, **Z. Li**, L. Duan, and S. Liu, "Network Update Compression for Federated Learning", *IEEE Visual Communication & Image Processing Conf (VCIP)*, Hong Kong, 2020.
4. **A. Akhtar**, W. Gao, **L. Li**, **Z. Li**, X. Zhang, and S. Liu, "Point Cloud Geometry Prediction Across Spatial Scale using Deep Learning", *IEEE Visual Communication & Image Processing Conf (VCIP)*, Hong Kong, 2020.
5. K. Zhang, L. Wang, D. Liu, B. Liu, Q. Liu and **Z. Li**, "Dual Temporal Memory Network for Efficient Video Object Segmentation", *ACM Multimedia (MM)*, Seattle, 2020.
6. **Y. Sun**, **L. Li**, **Z. Li**, and S. Liu, "Referenceless Rate-Distortion Modeling with Learning from Bitstream and Pixel Features", *ACM Multimedia (MM)*, Seattle, 2020.
7. **Y. Mei**, F. Li, **L. Li**, and Z. Li, "Activation Map Saliency Guided Filtering for Efficient Image Compression for Vision Tasks", *IEEE Asilomar Conference on Signals, Systems and Computers*, Monterey, 2020.
8. **Y. Sun**, **L. Li**, **Z. Li**, and S. Liu, "YOCO: Light-Weight Rate Control Model Learning", *IEEE Int'l Conference on Image Processing (ICIP)*, Abu Dhabi, 2020.
9. **W. Jia**, **L. Li**, **Z. Li**, X. Zhang and S. Liu, "Residual Guided Deblocking with Deep Learning", *IEEE Int'l Conference on Image Processing (ICIP)*, Abu Dhabi, 2020.
10. **R. Hang**, **Z. Li**, Q. Liu, and S. S. Bhattacharyya, "PRINET: A Prior Driven Spectral Super-Resolution Network", *IEEE International Conf on Multimedia & Expo*, London, 2020.
11. **W. Jia**, **L. Li**, **Z. Li**, S. Zhao, S. Liu, "Triplet Loss Feature Aggregation for Scalable Hash", *IEEE Int'l Conf on Audio, Speech and Signal Processing (ICASSP)*, Barcelona, 2020.
12. L. Pan, F. Christophe, T. Mikkonen, **Z. Li**, and S. S. Bhattacharyya. Simulating Spiking Neural Networks with Timed Dataflow Graphs. In Proceedings of the *IEEE Conference on Artificial Intelligence Circuits and Systems (AICAS)*, Genoa, Italy, March 2020.
13. **L. Li**, **Z. Li**, S. Liu, and H. Li, "Video-based Compression for Plenoptic Point Clouds", *IEEE Data Compression Conf (DCC)*, 2020.
14. **Y. Zhou**, **Z. Li**, and H. Yin, "Stereoscopic Visual Discomfort Prediction Using Multi-scale DCT Features", *ACM Multimedia*, Nice, France, 2019.
15. **P. Maharjan**, **L. Li**, **Z. Li**, N. Xu, C. Ma, and Y. Li, "Improving Extreme Low-Light Image Denoising via Residual Learning", *IEEE Int'l Conf on Multimedia & Expo (ICME)*, Shanghai, 2019.
16. **L. Li**, **Z. Li**, S. Liu, H. Li, "Occupancy-map-based rate distortion optimization for video-based point cloud compression", *IEEE Int'l Conf on Image Processing (ICIP)*, 2019.
17. **A. Akhtar**, **B. Kathariya**, **Z. Li**, "Low Latency Scalable Point Cloud Communication", *IEEE Int'l Conf on Image Processing (ICIP)*, 2019.
18. **H. Zhang**, **L. Li**, L. Song, X.-K. Yang, **Z. Li**, "Advanced CNN Based Motion Compensation Fractional Interpolation", *IEEE Int'l Conf on Image Processing (ICIP)*, 2019.
19. **D. F. Noor**, **L. Li**, **Z. Li**, S. Bhattacharyya, "Multi-Frame Super Resolution with Deep Residual Learning on Flow Registered Non-Integer Pixel Images", *IEEE Int'l Conf on Image Processing (ICIP)*, 2019.
20. **A. Akhtar**, J. Ma, R. Shafin, J. Bai, L. Li, **Z. Li**, and L. Liu, "Low Latency Scalable Point Cloud Communication in VANETs using V2I Communication", *IEEE Int'l Conf on Communication (ICC)*, Shanghai, 2019.
21. **D. F. Noor**, **Y. Li**, **Z. Li**, S. Bhattacharyya, G. York, "Gradient Image Super-Resolution for Low Resolution Image Recognition", *IEEE Int'l Conf on Audio, Speech and Signal Processing (ICASSP)*, 2019.
22. **Z. Zhang**, **Y. Li**, **L. Li**, **Z. Li**, S. Liu, "Multiple Linear Regression for High Efficiency Video Intra Coding", *IEEE Int'l Conf on Audio, Speech and Signal Processing (ICASSP)*, 2019.
23. Y. Xu, **W. Zhu**, Y. Xu, **Z. Li**, "Dynamic Point Cloud Geometry Compression via Patch-wise Polynomial Fitting", *IEEE Int'l Conf on Acoustics, Speech and Signal Processing (ICASSP)*, Brighton, UK, 2019.
24. **L. Li**, **Z. Li**, V. Zakharchenko, and J. Chen, "Advanced 3D Motion Prediction for Video Based Point Cloud

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- Attributes Compression", *IEEE Data Compression Conf (DCC)*, Snowbird, USA, 2019.
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 26. B. Kathariya, V. Zakharchenko, **Z. Li**, and J. Chen, "Level-of-detail generation using binary-tree for lifting scheme in LiDAR point cloud attributes coding", *IEEE Data Compression Conf (DCC)*, Snowbird, USA, 2019.
 27. L. Li, **Z. Li**, Y. Li, B. Kathariya, and S. Battacharyya, "Incremental Deep Neural Network Pruning based on Hessian Approximation", *IEEE Data Compression Conf (DCC)*, Snowbird, USA, 2019.
 28. Duc Huy Hoang Nguyen, R. Puttagunta, **Z. Li**, and R. Derakhshani, "User Re-Identification Using Clothing Information for Smartphones", *IEEE Int'l Symposium on Technologies for Homeland Security*, Woburn, MA, 2018, **Best Paper Award**.
 29. Y. Shao, Q. Zhang, G. Li and **Z. Li**, "Hybrid Point Cloud Attribute Compression Using Slice-based Layered Structure and Block-based Intra Prediction" *ACM Multimedia*, Seoul, Korea, 2018.
 30. Y. Li, L. Li, **Z. Li**, J. Yang, N. Xu, D. Liu, H. Li, "A Hybrid Neural Network for Chroma Intra Prediction", *IEEE Int'l Conf on Image Processing (ICIP)*, Athens, Greece, 2018.
 31. Y. Sun, L. Li, and **Z. Li**, "A Machine Learning Approach to Accurate Sequence Level Rate Control Scheme for Video Coding", *IEEE Int'l Conf on Image Processing (ICIP)*, Athens, Greece, 2018.
 32. Xin Zhao, Li Li, **Z. Li**, Xiang Li, Shan Liu, "Coupled Primary and Secondary Transform for Next Generation Video Coding", *IEEE Visual Communication & Image Processing Conf (VCIP)*, Taiwan, 2018.
 33. Zhuoqun Wang, **Z. Li**, Yiling Xu, Jun Sun, "Selective Convolutional Features based Generalized-mean Pooling for Fine-grained Image Retrieval", *IEEE Visual Communication & Image Processing Conf (VCIP)*, Taiwan, 2018.
 34. Zhaobin Zhang, Yue Li, Li Li, **Z. Li**, Shan Liu, "Combining Intra Block Copy and Neighboring Samples Using Convolutional Neural Network for Image Coding", *IEEE Visual Communication & Image Processing Conf (VCIP)*, Taiwan, 2018.
 35. N. Reddy, D. Noor, **Z. Li**, and R. Derakhshani, "Multi-Frame Super Resolution Ocular Biometrics", *IEEE Computer Society Biometrics Workshop*, 2018.
 36. B. Kathariya, L. Li, **Z. Li**, and J. Alvarez, "Scalable Point Cloud Geometry Coding with Binary Tree Embedded Quadtree", to appear, *IEEE Int'l Conf. on Multimedia & Expo (ICME)*, San Diego, USA, 2018.
 37. B. Kathariya, L. Li, **Z. Li**, and J. Alvarez, "Lossless Dynamic Point Cloud Geometry Compression with Inter Compensation and Traveling Salesman Prediction", *IEEE Data Compression Conference (DCC)*, Snow Bird, 2018.
 38. S. Zhao, G. Muppala, **Z. Li**, D. Medhi, "Smooth Streaming With MPEG-DASH Using SDN-Based Application-Aware Networking". *Intl Conf on Computing, Networking and Communications (ICNC)2018*: 77-81
 39. Y. Shao, Z. Zhang, **Z. Li**, and G. Li, "Attribute Compression of 3D Point Clouds Using Laplacian Sparsity Optimized Graph Transform", *IEEE Visual Communication & Image Processing (VCIP) Conf*, St. Petersburg, FL, 2017.
 40. Y. Li, L. Li, **Z. Li**, and H. Li, "Hierarchical Piece-Wise Canonical Correlation Analysis Projections for Efficient Intra-Prediction Coding", *IEEE Visual Communication & Image Processing (VCIP) Conf*, St. Petersburg, FL, 2017.
 41. B. Kathariya, K. Ainala, **Z. Li**, and R. Joshi, "Embedded Binary Tree For Dynamic Point Cloud Geometry Compression with Graph Signal Resampling and Prediction", *IEEE Visual Communication & Image Processing (VCIP) Conf*, St. Petersburg, FL, 2017.
 42. L. Li, **Z. Li**, M. Bugadavi, and H. Li, "PROJECTION BASED ADVANCED MOTION MODEL FOR CUBIC MAPPING FOR 360-DEGREE VIDEO", *IEEE Intl Conf on Image Processing (ICIP)*, Beijing, 2017.
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 44. E. Cornwell, L. Li, **Z. Li**, and Y. Sun, "An Efficient Compression Scheme for the Multi-Camera Light Field Images", *IEEE Multimedia Signal Processing Workshop (MMSP)*, London, 2017.
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 49. Z. Li, S. Zhao, D. Medhi, and I. Bouazizi, "Wireless Video Traffic Bottleneck Coordination with DASH SAND Framework", *IEEE Visual Communication and Image Processing (VCIP) Conf*, Chengdu, China, 2016.
 50. W. Huang, Y.-L. Xu, and Z. Li, "A New AL-FEC Coding Scheme for Mobile Video Broadcasting with Limited Feedback", *IEEE Multimedia Signal Processing (MMSP) Workshop*, Montreal, Canada, 2016.
 51. K. Aninala, R. Mekuria, B. Kathariya, Z. Li, Y.-K. Wang and R. Joshi, "An improved enhancement layer for octree based point cloud compression with plane projection approximation", *SPIE App. of Digital Image Processing*, San Diego, 2016.
 52. D. Noor, Z. Li, and A. Nagar, "ROBUST OBJECT RE-IDENTIFICATION WITH GRASSMANN SUBSPACE FEATURE FOR KEY POINTS AGGREGATION", *IEEE Int'l Conf on Image Processing*, Phoenix, Arizona, USA, 2016.
 53. S. Zhao, Z. Li, and D. Medhi, "Low Delay Streaming of DASH Content with WebRTC Data Channel", *IEEE/ACM Int'l Workshop on Quality of Service (IWQoS)*, Beijing, 2016.
 54. S. Xie, Y.-L. Xu, and Z. Li, "DASH Sub-Representation with Temporal QoE Driven Layering", *IEEE PacketVideo Workshop*, Seattle, 2016.
 55. S. Zhao, Z. Li, and D. Medhi, "Low Delay MPEG DASH Streaming over the WebRTC Data Channel", *IEEE PacketVideo Workshop*, Seattle, 2016.
 56. Z. Zheng, Z. Li, A. Nagar, and K. Park, "COMPACT DEEP NEURAL NETWORKS FOR DEVICE BASED IMAGE CLASSIFICATION", *IEEE Int'l Conference on Multimedia 7 Expo (ICME), Workshop on Distributed and Cooperative Visual Recognition and Analysis (DCVRA)*, Torino, Italy, 2015.
 57. V. Fragoso, G. Srivastava, A. Nagar, Z. Li, and M. Turk, "Cascade of Box (CABOX) Filters for Optimal Scale Space Approximation", *Proc of the 4th IEEE Int'l Workshop on Mobile Vision*, Columbus, OH, 2014.
 58. A. Nagar, Z. Li, G. Srivastava, and K. Park, "AKULA : Adaptive Clustering Aggregation for Visual Search", *IEEE Data Compression Conference (DCC)*, Snow Bird, UT, 2014.
 59. Z. Li, I. Bouazizi, "Light Weight Video Fingerprint for Playback Verification in MPEG DASH System", *Proceedings of IEEE PacketVideo Workshop*, San Jose, 2013.
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