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Journal Publications

o B.Appina, S. V. R. Dendi, K. Manasa, S. S. Channappayya, A. C. Bovik, "Study of Subjective Quality and Objective Blind Quality Prediction of Stereoscopic Videos," in Transactions on Image Processing, IEEE (2019) doi:10.1109/TIP.2019.2914950.

o B.Appina and S. S. Channappayya, " Full-reference 3-D video quality assessment using scene component statistical dependencies," Signal Processing Letters, IEEE 25 (6) (2018) 823-827. doi:10.1109/LSP.2018. 2829107.

o B.Appina, S. Khan Md, S. S. Channappayya, "No-reference Stereoscopic Image Quality Assessment Using Natural Scene Statistics," Signal Processing: Image Communication, Volume 43, April 2016, Pages 1-14, doi:10.1016/j.image.2016.02.001.

o R. R. Tamboli*, B.Appina*, S. S. Channappayya, S. Jana, "Super-Multiview Content with High Angular Resolution: 3D Quality Assessment on Horizontal-Parallax Lightfield Display," Signal Processing: Image Communication, doi:10.1016/j.image.2016.05.010. (*equal contribution).

o S. Khan Md, B.Appina, S. S. Channappayya, "Full-reference stereo image quality assessment using natural stereo scene statistics," Signal Processing Letters, IEEE 22 (11) (2015) 1985-1989. doi:10.1109/LSP.2015. 2449878.

Conference Publications

o B.Appina, "A 'Complete Blind' No-Reference Stereoscopic Image Quality Assessment Algorithm", accepted to IEEE International Conference on Signal Processing and Communications, 2020.

o B.Appina, A. Jalli, S. S. Battula, S. S. Channappayya, "No-Reference Stereoscopic Video Quality Assessment Algorithm Using Joint Motion and Depth Statistics," in International Conference on Image Processing, pp. 2800-2804, IEEE, Athens, Greece, October 2018.

o R. R. Tamboli, P. A. Kara, A. Cserkaszky, A. Barsi, M. G. Martini, B.Appina, S. S. Channappayya, S. Jana, "3D Objective Quality Assessment of Light Field Video Frames," in 3DTV-Conference: The True Vision-Capture, Transmission and Display of 3D Video, IEEE, 2018.

o B.Appina, Manasa K, S. S. Channappayya, "A Full Reference Stereoscopic Video Quality Assessment Metric," in IEEE International Conference on Acoustics, Speech and Signal Processing, pp. 2012 − 2016, March 2017.

o B.Appina, Manasa K, S. S. Channappayya, "Subjective and Objective Study of the Relation Between 3D and 2D Views Based on Depth and Bitrate," in IS&T/SPIE, Electronic Imaging, pp. 145 − 150, January 2017.

o R. R. Tamboli, B.Appina, P. A. Kara, M. G. Martini, S. S. Channappayya, S. Jana, "Effect of Primitive Features of Content on Perceived Quality of Light Field Visualization," in International Conference on Quality of Multimedia Experience, IEEE, 2018.

- R. R. Tomboli, B.Appina, S. S. Channappayya, and S. Jana, "Achieving high angular resolution via view synthesis: Quality assessment of 3d content on super multiview lightfield display," in International Conference on 3D Immersion (IC3D), pp. $1-8$, IEEE, 2017.
- K. V. S. N. L. M. Priya, B.Appina, S. S. Channappayya, "No-reference image quality assessment using statistics of sparse representations," in IEEE International Conference on Signal Processing and Communications, pp. $1-5$, June 2016.

Honours + Awards + Recognitions

- IIT Madras Institute PDF fellowship Award, 2019.
- Fellowship award from Ministry of Human Resource Development (MHRD) India during 2013-2018.
- IEEE Signal Processing Society (SPS) travel grant award, 2017.
- ITS-SERB travel grant award, 2017.
- Young professional student grant award from Electronic Imaging (EI) society, 2017.
- Excellence in Research award from IIT Hyderabad, 2017.
- Gold Medal for best national innovation from International Federation Of Inventors' Association (IFIA), Bengaluru 2016.
- Gold Medal for Contribution to Innovation from Republica Portuguesa, 2016.
- Gold medal for best innovation in India International Innovation Fair (III Fair), Bengaluru 2016.