PUBLICATIONS OF Dr. BALASUBRAMANYAM APPINA

JOURNAL PUBLICATIONS

- **B.Appina**, S. V. R. Dendi, K. Manasa, S. S. Channappayya, A. C. Bovik, "Study of Subjective Articles Quality and Objective Blind Quality Prediction of Stereoscopic Videos," in *Transactions on Image Processing*, IEEE 28 (10) (2019) 5027-5040. doi:10.1109/TIP.2019.2914950.
- **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.
- **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.
- 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).
- 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.
- **B.Appina**, M. Sharma, K Santosh "Latent Factor Modeling of Users Subjective Perception for Stereoscopic 3D Video Recommendation," Under review in Transactions on Broadcasting, IEEE.
- A. K. Poreddy and **B.Appina** "A 'Completely Blind' Stereoscopic Image Quality Predictor Using Joint Color and Depth Statistics," Under review in Signal Processing Letters, IEEE. **B.Appina**, R. R. Tamboli, S. S. Channappayya, S. Jana, "Objective quality assessment of super multiview light field content using Spatio-Depth modeling," (Under preparation).

CONFERENCE PUBLICATIONS

- **B.Appina**, "A 'Complete blind' no-reference stereoscopic image quality assessment algorithm," accepted to International Conference on Signal Processing and Communications, IEEE, July 2020.
- **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.
- 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.

- **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.
- **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.
- 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, “Noreference image quality assessment using statistics of sparse representations,” in IEEE International Conference on Signal Processing and Communications, pp. 1 - 5, June 2016.
- S R Dudala, A Sau, **B.Appina**, MSA Srivastava, A Mohapatra, “A Preliminary Prediction of Covid-19 Cases in India by April 2020 Using Exponential Mathematical Modelling,” in National Journal of Research in Community Medicine, 9 (1) (2020) 0001-0005. doi:10.26727/NJRCM.2020.9.1.001-005.