
The Quest for Visual Comfort in Virtual and Augmented Reality Displays

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Despite the high promises and the tremendous progress made recently toward the development of head-mounted displays (HMD) for both virtual reality (VR) and augmented reality (AR) displays, developing HMDs that offer uncompromised optical pathways to both digital and physical worlds without encumbrance and discomfort confronts many grand challenges, both from technological perspectives and human factors. In this talk, I will particularly focus on the recent progress, challenges, and opportunities for developing for developing VR and AR displays for improved visual comfort.



Short Bio:

Dr. Hong Hua, Fellow of NAI (National Academy of Inventors), SPIE and OSA, is currently a Professor with the James C. Wyant College of Optical Sciences (OSC), The University of Arizona. Dr. Hua received her PhD degree in Optical Engineering from Beijing Institute of Technology in 1999.