Stanford

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Bio

STANFORD ADVISORS

- Gordon Wetzstein, Doctoral Dissertation Advisor (AC)

LINKS

- Personal Site: https://choisuyeon.github.io/

Publications

PUBLICATIONS

- **Speckle-free holography with partially coherent light sources and camera-in-the-loop calibration.** *Science advances*
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- **Optimizing image quality for holographic near-eye displays with Michelson Holography** *OPTICA*
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- **High-quality holographic displays using double SLMs and camera-in-the-loop optimization**
  Choi, S., Peng, Y., Kim, J., Wetzstein, G., Kress, B. C., Peroz, C.
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- **Neural Holography with Camera-in-the-loop Training** *ACM TRANSACTIONS ON GRAPHICS*
  Peng, Y., Choi, S., Padmanaban, N., Wetzstein, G.
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- **Volumetric Head-Mounted Display with Locally Adaptive Focal Blocks.** *IEEE transactions on visualization and computer graphics*
  Yoo, D. n., Lee, S. n., Jo, Y. n., Cho, J. n., Choi, S. n., Lee, B. n.
  2020; PP

- **Neural Holography**
  Peng, Y., Choi, S., Padmanaban, N., Kim, J., Wetzstein, G., ACM
  ASSOC COMPUTING MACHINERY.2020

- **Tomographic Projector: Large Scale Volumetric Display with Uniform Viewing Experiences** *ACM TRANSACTIONS ON GRAPHICS*
  Jo, Y., Lee, S., Yoo, D., Choi, S., Kim, D., Lee, B.
  2019; 38 (6)

- **Optimal binary representation via non-convex optimization on tomographic displays** *OPTICS EXPRESS*
  Choi, S., Lee, S., Jo, Y., Yoo, D., Kim, D., Lee, B.
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