



## About the cover: *Advanced Photonics* Volume 2, Issue 1

The image on the cover for *Advanced Photonics* Volume 2, Issue 1, demonstrates the principle of compressed ultrafast photography via image encoding and decoding. The dynamic scene (shock wave) is spatially encoded by DMD and temporally sheared by streak camera, which is recovered through a compressed sensing algorithm with a high imaging speed of a trillion

frames per second. Provided by S. Zhang et al., a team of researchers from East China Normal University, the image is based on the research presented in their article, “Single-shot compressed ultrafast photography: a review,” *Adv. Phot.* **2**(1), 014003, doi: [10.1117/1.AP.2.1.014003](https://doi.org/10.1117/1.AP.2.1.014003).