

Michael Hart is an Associate Professor in the College of Optical Sciences at the University of Arizona. He specializes in the implementation of advanced adaptive optics for large astronomical telescopes and other optical systems, including tomographic wave-front sensing and deformable mirror development. He was the Principal Investigator for several implementations of adaptive optics at the 6.5 m MMT, and led work to equip the twin 8.4 m Large Binocular Telescope with Multi-laser guided adaptive optics. Additional research focuses on the development of physically constrained image deconvolution and video enhancement algorithms, automatic target recognition, object-independent wave-front sensing, and the recovery of 3-D object structure from multiscopic observations.