

Lisa Poyneer: adaptive optics for exoplanets and x rays

- Gemini Planet Imager
 - developed key adaptive optics algorithms and technologies
 - led testing and verification of the adaptive optics system
- Predictive control
 - demonstrating predictive correction of atmospheric turbulence at Lick Observatory (with UC Santa Cruz students)
- Adaptive x-ray optics
 - building first (to our knowledge) real-time adaptive x-ray optics system at the Advanced Light Source synchrotron