

# AO4ELT6

## Adaptive Optics for Extremely Large Telescopes

June 9-14, 2019

Québec City, Canada

✦ CALL FOR PAPERS ✦

**Abstract deadline:** January 25, 2019

**Acceptance notification:** March 18, 2019

### TOPICS

- Current designs of ELT AO systems
- AO pathfinders and new concepts, including lab experiments, field experiments, and lessons learned from present AO instruments
- Modelling and numerical simulations
- Wavefront correction
- Wavefront sensing
- Laser guide star systems
- Solar AO: daytime atmosphere characterization, extended source wavefront sensing and alternative sensing methods, image quality parameters etc.
- ELT science with AO (e.g. astrometry, photometry, planet detection): system requirements and specifications for optimal scientific performance
- Site testing and characterization, including the atmosphere, sodium layer, dome seeing etc.
- AO reconstruction and control
- Post-processing of AO data, including PSF reconstruction, image deconvolution and AO performance monitoring

<http://ao4elt6.copl.ulaval.ca/>



ONERA

OPTONIQUE

