

Telescopes on the Moon: the next decades

Wednesday, September 6, 2023 10:30 AM (1 hour)

I will review the prospects for future progress in cosmology. The lunar surface allows a unique way forward, to go well beyond current limits. The far side provides a unique radio-quiet environment for probing the dark ages via 21 cm interferometry to seek elusive clues on the nature of inflation via the infinitesimal fluctuations that seeded galaxy formation. Far-infrared telescopes in cold and dark lunar polar craters will probe the cosmic microwave background radiation back to the first months of the Big Bang.

Presenter: SILK, Joseph