

Chris Evans

Title: Spectroscopy of stellar populations with MOSAIC and the E-ELT

Abstract: *Multi-object spectroscopy (MOS) will be an essential capability for the European Extremely Large Telescope (E-ELT), from spectroscopy of very distant galaxies discovered with the James Webb Space Telescope, to studies of planets and stellar populations in the Milky Way and beyond. Over the past 18 months we have revisited the science requirements for such a MOS, and are now using the assembled cases to inform the conceptual design of the MOSAIC instrument. I will summarise the key cases for future MOS observations of stellar populations and introduce the next steps toward realising MOSAIC on the E-ELT.*