



Next Generation Infrared Space Observatory

By Bell Burnell, S. J. / Davies, J. K.

Book Condition: New. Publisher/Verlag: Springer Netherlands | Proceedings of the Workshop held in Edinburgh (22-24 May 1991) | Infrared astronomy has undergone an enormous revolution during the last decade. Despite the great technical difficulties of building detectors in a cryogenic environment, the scientific advances in infrared astronomy have been astounding. In the near future many more advances can be expected from still newer developments in telescope and detector designs. High quality detector arrays and passively cooled telescopes are very promising techniques for achieving considerably larger apertures. This volume contains the refereed papers from the workshop on 'Next Generation Infrared Observatory', dealing with all new aspects of future infrared telescopes. | Foreword; S.J. Bell Burnell, J.K. Davies, R.S. Stobie. Welcome & Introduction; P. Murdin. The Future of Space Infrared Astronomy; M.S. Longair. Infrared Space Studies of Solar-System Objects: The Post-ISO Era; T. Encrenaz. The Interstellar Medium and Star Formation; P.W.J.L. Brand. Stellar Infrared Astronomy with EDISON; L.B.F.M. Waters. The Infrared Space Observatory (ISO); M.F. Kessler, L. Metcalfe, A. Salama. SOFIA: Stratospheric Observatory for Infrared Astronomy; E.F. Erickson. NICMOS: Near Infrared Camera and Multi-Object Spectrometer; R. Thompson. SIRTF: Space Infrared Telescope Facility; E.F. Erickson, M.W. Werner. Plans for Submillimetre and Infrared Satellites...



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