



UNIVERSITY OF
KWAZULU-NATAL
INYUVESI
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中国科学院国家天文台

Joint Postdoctoral Fellowship on Cosmology and Radio astronomy **Deadline: 5th March 2022**

The joint research center of University of KwaZulu-Natal (UKZN) and National Astronomical Observatory of China (NAOC) invites application for one joint postdoctoral research fellow with emphasis on cosmology and radio astronomy. The successful applicant will work with Professor Yin-Zhe Ma on the Vera C. Rubin Observatory (LSST), and MeerKAT (science.ska.ac.za/meerkat) radio telescope. The position is supported by UKZN, NITheCS, and NRF/South Africa. He/she will play a major role in analysing MeerKAT data and preparing science for LSST. The research involves developing analysis method and pipeline for large-scale structure cross-correlation, and 21-cm cosmology. These techniques are expected to be highly integrated with LSST and MeerKAT.

The tenure of the position is 2 years in South Africa. Well-performed postdoc will also be provided another 2 years funding to conduct research in National Astronomical Observatory China (Beijing) although the relocation is on a voluntary basis. He/she may have the opportunity to work on Tianlai, Discovering Sky at the Longest wavelength (DSL) projects and China Space Station Telescope (CSST). The minimal qualification is Ph.D. in astronomy, astrophysics, computational physics or related field completed or expected by effective date. Significant computational skills, parallel programming and data analysis skills are preferred.

DEADLINE: 5th March 2022 (full consideration), although late application is also accepted until the position is filled.

INQUIRY: Please address the inquiry to Professor Yin-Zhe Ma (ma@ukzn.ac.za) or Professor Xuelei Chen (xuelei@cosmology.bao.ac.cn).

SUBMISSION: please submit your CV with publication list, qualification documents, a brief research statement, and 3 letters of reference letters to the email address sa.china.astronomy@gmail.com.