



UNIVERSITY of the
WESTERN CAPE

Joint UCT/UWC SKA Research Chair

The University of Cape Town (UCT) and the University of the Western Cape (UWC) together with the South African SKA Office, announce the opening of a Research Chair position to be held jointly at UCT and UWC. The research focus of this Chair is observational radio astronomy, especially in the areas of MeerKAT/SKA survey science that are currently not yet optimally resourced. The Chair should have:

- Extensive expertise in radio interferometry imaging and techniques, with particular emphasis on wide-field continuum imaging and polarimetry;
- Experience in cosmic magnetism research programmes;
- Leadership in data intensive radio astronomy, i.e. off-line processing, presentation and archiving of large radio telescope data sets, including the use of modern high-performance computing and data storage methodologies.

The Chair is expected to build a team of postgraduate students and post-docs and to provide training and practical experience in the design of experiments, execution of observations, and collection and analysis of telescope data. An excellent track record of publication and postgraduate supervision is a prerequisite. Preference will be given to candidates who have access to observing time and/or data products from existing radio facilities that will provide students with relevant practical experience and skills. Use of the KAT-7 array to develop prototype data paths for the MeerKAT and SKA will be expected.

For further information please contact Prof. Renee Kraan-Korteweg (UCT, kraan@ast.uct.ac.za), Prof. Roy Maartens (UWC, rmaartens@uwc.ac.za) or Prof. Justin Jonas (SKA, j.jonas@ru.ac.za).

Interested candidates should send a CV, publication list, brief summary of research, outline of future plans, and the details of three referees to reach Ms Jeanine Schroeder, Human Resources Department, University of the Western Cape at jschroeder@uwc.ac.za (fax: +27 21 959 1315, tel: +27 21 959 2104) by no later than **10 May 2013**.