PhD Studentship “Evolution of Cold Gas”

The Square Kilometre Array (SKA) will allow for the first time to directly observe the most abundant element in the Universe in its neutral state over a large range of redshifts. Ahead of the upcoming SKA pathfinder missions, we are working to expand our current understanding of the evolution of HI. For that purpose, we are offering a Ph.D. research project to investigate the evolution of the 21 cm line emission using current technology. The projects will analyse deep 21cm observations obtained with the Arecibo, Westerbork and the Giant Metrewave Radio Telescopes, and is supervised by Wolfram Freudling at the *European Southern Observatory* (ESO) in Garching, Germany, and Lister Staveley-Smith at the *International Centre for Radio Astronomy Research* (ICRAR) in Perth, Australia .

The successful applicant will enrol in the 3-year PhD program at the University of Western Australia, and conduct research both in Garching and in Perth. Funding includes stipends both in Garching and Perth, as well as round-trip airfare between Germany and Australia.

For more information, please contact Wolfram Freudling (wfreudli@eso.org).