

The 2024 ACAMAR Fellow Recruitment Details

Job Title	Host Institute/ Research Group	Job Description	Number of Vacancies	Working Location	Professional Requirement	Contact Person
CRAFTS Postdoctoral Fellow	NAOC/ Interstellar Medium	Our group is leading the Commensal Radio Astronomy FasT Survey (CRAFTS), which discovered FRB 20190520. Our group participates in FAST's key program on FRBs and have been leading several related projects, including monitoring of FRB 121102 and FRB 190520. The fellow will help process survey data and be responsible for publishing relevant findings. The fellow is particularly encouraged to drive multi-band, multi-facility studies of FRB sources to probe the origin of FRBs.	1	Beijing	A PhD in Astronomy or Physics. Experience in data reduction of major radio observatories, MeerKAT and ASKAP preferred.	Dr. Di Li Phone:18610690534 Email: dili@nao.cas.cn
CRAFTS Postdoctoral Fellow	NAOC/ Interstellar Medium	Our group is leading the Commensal Radio Astronomy FasT Survey (CRAFTS), which has released 5000 d ² HI images with 1% calibration accuracy. We are seeking qualified candidates to explore the science potential of CRAFTS HI data, both Galactic and extra-galactic. The fellow will shoulder some of the processing duty of the survey. The fellow is encouraged to utilize other facilities to enhance the scientific value of CRAFTS discoveries.	1	Beijing	A PhD in Astronomy or Physics. Experience in data reduction of major radio observatories, MeerKAT and ASKAP preferred.	Dr. Di Li Phone:18610690534 Email: dili@nao.cas.cn
MWISP Postdoc fellow	PMO / MWISP team	Purple Mountain Observatoty (PMO) has been conducting the Milly-Way Imaging Scroll Painting (MWISP) project, a large-scale survey in CO lines over the northern Galactic plane since 2011. We are seeking qualified candidates in the directions of formation and evolution of molecular clouds, star formation, galactic structure and cycling of ISM, by using data from all-sky molecular and neutral hydrogen line observations.	2	Nanjing	A PhD in astrophysics. Experience in data reduction of major radio line observatories or surveys.	Prof. Ji Yang Phone:13809020403 Email: jiyang@pmo.ac.cn
Chinese SKA-low Postdoctoral Fellow	SHAO/ SKA Radio and Cosmology	Our group participates in the Chinese SKA program and has access to data from low-frequency interferometer arrays, such as MWA and 21CMA. The fellow will assist in processing this data, improving the pipeline, and publishing the results.	1	Shanghai	A PhD in Astronomy or Physics. Experience in data reduction of and/or development of the pipeline for low frequency low frequency radio observation preferred.	Dr. Qian Zheng Email: qzheng@shao.ac.cn

Postdoctoral Fellow in low frequency radio/global 21cm experiments	SHAO/ SKA Radio and Cosmology	Our group participates in the Chinese SKA program and has access to data from low-frequency interferometer arrays, such as MWA and 21CMA. The fellow will assist in the development of software, hardware, or data reduction pipelines for the global 21cm experiment."	1	Shanghai	A PhD in Astronomy or Physics is required. Experience in data reduction, development of software pipelines, or hardware for low-frequency radio experiments is preferred.	Dr. Quan Guo Email: guoquan@shao.ac.cn Phone:13817246947
Postdoctoral Fellowship in SKA Cosmology	SHAO/ SKA Radio and Cosmology	Our group participates in the Chinese SKA program and has access to data from low-frequency interferometer arrays, such as MWA and 21CMA. The candidate will assist or lead one or two projects related to data analysis or pipeline development: direction-dependent calibration, map-making, and foreground cleaning.	1	Shanghai	A PhD in Astronomy or Physics. Experience in data reduction of major radio observatories, LOFAR, MWA, GMRT, MeerKAT and ASKAP preferred.	Dr. Jingying Wang Email: jywang@shao.ac.cn Phone:+86-18210627309
Chinese SKA-low Postdoctoral Fellow	SHAO/ SKA Radio and Cosmology	Our group participates in the Chinese SKA program and has access to data from low-frequency interferometer arrays, such as MWA and 21CMA. We are seeking qualified candidates to simulate the low-frequency observation, analyze the 21cm power spectrum and develop foreground removal technique.	1	Shanghai	A PhD in Astronomy or Physics is required. Experience in data reduction, development of software pipelines, or hardware for low-frequency radio experiments is preferred.	Dr. Huanyuan Shan Email: hyshan@shao.ac.cn