

**UNIVERSITY OF OXFORD**  
**DEPARTMENT OF PHYSICS and Oxford e-Research Centre**

**Postdoctoral Research Assistant in Advanced Radio Astronomy Software  
Development**

**Grade 7, £29,249 to £35,938 per annum (fixed-term)**

We invite applications for a postdoctoral research assistant position to work on the development of optimised software for the processing pipelines of existing and emerging radio telescopes, such as ALMA, SKA and its precursors, etc. The project aims to develop new HPC (High Performance Computing) technologies to go beyond the limitations of current software, and to study the use of novel hardware platforms, such as GPUs, the new Intel MIC, etc.

The appointment is for two years commencing in **1 October 2012** or soon thereafter with the possibility of an extension for a further year and is based in the Oxford e-Research Centre. The project is funded by a European Union FP7 RadioNet3 grant held jointly by the Oxford e-Research Centre and Oxford Astrophysics.

The successful candidate will hold a PhD in a relevant subject such as Physics, Mathematics, Computer Science, Engineering, or equivalent industrial experience. Experience of scientific and numerical computing and software development on advanced platforms is essential; knowledge of radio astronomy technologies is highly desirable. The candidate will join a successful radio astronomy software research and development team and is expected to collaborate actively with the Hilado international partners. The candidate will benefit from interaction with radio astronomers at Oxford as well as elsewhere in relevant research areas.

Salary will be within the range **£29,249 to £35,938 per annum** depending on qualifications and experience. A benefits package and a research budget for travel and other expenses will be provided.

Applications for this vacancy are to be made online. To apply for this role and for further details, including a job description and selection criteria, please click on the link below:  
[https://www.recruit.ox.ac.uk/pls/hrsliverecruit/erg\\_jobspec\\_version\\_4.jobspec?p\\_id=103719](https://www.recruit.ox.ac.uk/pls/hrsliverecruit/erg_jobspec_version_4.jobspec?p_id=103719)

Only applications received by 12 noon on **Friday, 24 August 2012** can be considered. You will be required to upload a statement of research interests, curriculum vitae, and list of publications, and the names and addresses of three referees as part of your online application. In addition, candidates should arrange for the three letters of reference to be sent to [vfw@astro.ox.ac.uk](mailto:vfw@astro.ox.ac.uk) by the closing date. Applications are acknowledged but not referee letters.

For further enquiries contact Dr Stefano Salvini ([stef.salvini@oerc.ox.ac.uk](mailto:stef.salvini@oerc.ox.ac.uk))

The University is an equal opportunity employer