

East Asian Observatory / James Clerk Maxwell Telescope

Electronics Engineer

Job Description:

EAO/JCMT ELECTRONICS ENGINEER – ID# 17095

A regular, full-time position has opened at the East Asian Observatory / James Clerk Maxwell Telescope in Hilo, Hawaii. The position includes a variety of duties spanning installing, upgrading, and maintaining one-of-a-kind, state-of-the-art astronomical instrumentation; often valued in excess of many millions of dollars. The solutions developed by the successful applicant will be utilized to ensure continued operation of the James Clerk Maxwell Telescope (JCMT) and the University of Arizona Infrared Telescope (UKIRT). The successful applicant will work in the Engineering, Technology, Information services, and Software (ETIS) Division alongside other engineers and technicians.

Minimum Qualifications:

- Bachelor's Degree in Electrical or Computer Engineering from an accredited university.
- At least three (3) years working with electronic systems in a research and development environment. (**solid candidates without 3 yrs experience will considered too**)
- Working knowledge of process control, analog and digital systems and interfaces, microcontrollers, and electro-mechanical systems.
- Experience with CAD software (OrCAD, AutoCAD, Simulink, etc.)
- Strong written and verbal communication skills
- Must be able to work at 14,000 feet elevation and pass a (post-offer) high-altitude medical examination

Preferred Qualifications:

- Experience working with large-scale astronomical equipment
- Experience with real time automatic control systems
- Experience designing printed circuit boards (PCBs)
- Familiarity with Linux scripting environments
- Experience with cryogenic and/or high-vacuum systems
- Knowledge of power distribution systems
- Experience with MATLAB (or similar) software
- Experience working with microwave electronics, radio frequency equipment, infrared arrays and/or charge-coupled devices or programmable logic controllers

Please visit: <http://www.eaobservatory.org> and look under “Employment” for more information about this position. Look for this position: **EAO/JCMT ELECTRONICS ENGINEER – ID# 17095**

Deadline to apply is March 17, 2017