

Opportunity for

# Summer 2014 Research at the Jicamarca Radio Observatory in Peru



A large radar system known as the Jicamarca Radio Observatory (JRO) is located under Earth's magnetic equator in Peru, not far from the national capital, Lima. It makes scientific observations of the atmosphere and ionosphere and is also a laboratory for developing new radar instrumentation and software. Since 2006 the U.S. National Science Foundation (NSF) has sponsored a summer Research Experience Program for U.S. students at JRO. Students gain experience on different aspects of radar systems and are welcome to propose and run their own experiments. The program is open to junior/senior undergraduate and first/second year graduate students. It provides travel expenses and a reasonable stipend for a period of ten weeks. For 2014 a student can begin any time between May 12 and June 20. More information on the Jicamarca International Research Experience Program (JIREP 2014) can be found at <http://jro.igp.gob.pe/jirep/>

The Center for Space Science and Engineering Research at Virginia Tech (Space@VT) conducts research on Earth's upper atmosphere and space environment using radars and collaborates with scientists and engineers at the JRO. If you are interested in pursuing this exciting possibility for hands-on experience at a major research facility in an exotic location, we suggest that you contact a member of the SuperDARN HF radar group (listed below) for an informal discussion. Please make this contact by **January 17, 2014**. No prior experience of radars or research is necessary; however, you should have a good record of coursework in E/M fields (ECE3105/3106) or equivalent. Skills in hardware or software are also a plus.

#### VT Contacts:

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VT SuperDARN web page: <http://vt.superdarn.org/>