

Atacama Large Millimeter Array

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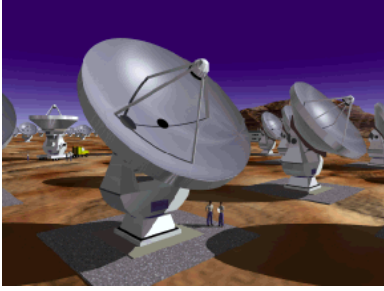
ALMA Project Scientist

New proposal

- Attachment III -

Santiago, Chile

3 / 4 November 2003



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ALMA Project Scientist

ESO/NRAO Vacancy

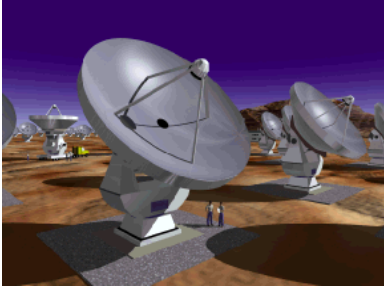
The Atacama Large Millimeter Array (ALMA) is an international astronomy facility. ALMA is an equal partnership between Europe and North America, in cooperation with the Republic of Chile. It is funded in North America by the U.S. National Science Foundation (NSF) in cooperation with the National Research Council of Canada (NRC), and in Europe by the European Southern Observatory (ESO) and Spain. ALMA construction and operations are led on behalf of North America by the National Radio Astronomy Observatory (NRAO), which is managed by Associated Universities, Inc. (AUI), and on behalf of Europe by ESO. ALMA will be a millimeter-submillimeter wave interferometer consisting of (64) 12m diameter antennas located on the Chajnantor Altiplano in the Atacama Desert of northern Chile. ALMA will be equipped initially with dual-polarization receivers covering 4 atmospheric windows: 84 – 119 GHz, 211 – 275 GHz, 275 – 370 GHz, and 602 – 720 GHz. The above mentioned parties/partners created the Joint ALMA Office (JAO) which is responsible for the overall leadership and management of construction, commissioning, and operation of the ALMA Observatory.

ESO/NRAO are now seeking applications for an **ALMA Project Scientist**, who will be part of the staff of the JAO. The **Project Scientist** is responsible for ensuring that ALMA is constructed, commissioned and operated in such a manner as to meet the scientific requirements of the ALMA Agreement.

Essential duties and responsibilities: (to be completed)

- Defining and maintaining the top-level scientific requirements and scope of the project.
- Establishing the scientific requirements for the ALMA system, working in conjunction with the IPT Leaders, and their Deputies.
- Together with the European PS and North American PS leading the global effort of the Science IPT
- Setting scientific requirements for various discipline areas
- Final responsibility of reviewing and monitoring compliance of all ALMA documents with the scientific requirements
- Responsible for the ALMA commissioning
- Responsible for the ALMA scientific activities in Santiago

The ALMA Project Scientist reports to the ALMA Director.



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Education and/or Experience: The ALMA Project Scientist will have a Ph.D. in astronomy, astrophysics, or a related field as well as an established record of scientific and technical publication. The ALMA Project Scientist must have at least 10 years of prior experience in astronomical observatory science operations, with at least five years in a leadership role. Knowledge and experience in radio astronomical interferometry as well as international scientific projects is highly desirable. Strong leadership, excellent communication skills, and an excellent command of the English language are essential.

Duty Station: Santiago de Chile. Frequent travel to the different locations where ALMA constructions are performed are required .

Starting date: 1 January 2004.

Contract: The initial contract is for a period of three years with the possibility of a fixed-term extension or permanence.

All applications should include the names of five individuals willing to serve as professional references for the applicant. Applications should be sent to the Personnel Office, at either of the following addresses: **ESO, Karl-Schwarzschild-Str. 2, Garching, D-85748, Germany; or NRAO*, 520 Edgemont Road, Charlottesville VA 22903 USA.** A Search Committee will begin reviewing applications on xx/xx/xxxx. Applications will be considered until the position is filled.

Remuneration: ALMA Key Personnel will be hired as employees of either ESO or AUI/NRAO. ESO and AUI/NRAO offer attractive remuneration packages including a competitive salary, comprehensive social benefits, and provide financial support in relocating families. Furthermore, an expatriation allowance as well as some other allowances may be added.

*The National Radio Astronomy Observatory is operated by Associated Universities, Inc. (AUI) under cooperative agreement with the National Science Foundation. Further information is available on www.nrao.edu. The NRAO is an equal opportunity employer (M/F/H/V).