

ESA/VN-ESTEC(2006)115  
Paris, 20 November 2006  
(Original: English)

**EUROPEAN SPACE AGENCY**

**Vacancy in the Directorate of Technical and Quality Management**

The European Space Agency is an equal opportunity employer  
and encourages applications from women

<b>POST</b>	<p>Antenna Engineer in the Antenna and Sub-millimetre Wave Section of the Electromagnetics Division, Electrical Engineering Department, Directorate of Technical and Quality Management.</p> <p>This post is classified in the A2/A4 grade band of the Coordinated Organisations' salary scale.</p>
<b>LOCATION</b>	<p>ESTEC, Noordwijk (the Netherlands).</p>
<b>DUTIES</b>	<p>The post holder will report to the Head of the Antenna and Sub-millimetre Wave Section of the Electromagnetics Division.</p> <p>The post holder will be preparing and monitoring Research and Development activities in the field of Antennas covering from long to short term needs.</p> <p>The incumbent will provide antenna technical support to ESA projects for Earth Observation, Telecommunications and Science. This includes "in-house" design and trade-off studies supporting both developments and reviews.</p> <p>Note that for these two areas, the post holder will have to support all antenna development stages from early design and analyses up to measurements possibly performed in ESTEC test facilities.</p> <p>The antenna domain covers stand alone radiators, reflector antennas and arrays antennas and include system aspects as well as interference effects between antennas and the spacecraft structure. The frequency domain considered extends from 400 MHz to 1 THz.</p>

## QUALIFICATIONS

Applicants should have a university degree or equivalent qualification in Electrical Engineering with major emphasis on Electromagnetics.

Experience in the following areas would be highly desirable:

- passive and active array (direct radiating or associated with a reflector) antenna architectures, technologies and command/calibration philosophy;
- reflector antennas design and analysis;
- feed systems and Beam Forming Networks;
- low gain antennas;
- spacecraft antenna technologies and space environment;
- antenna analysis and optimisation with knowledge on antenna and components modelling tools (GRASP8, HFSS, etc.);
- antenna and payload measurements tests techniques.

The working languages of the Agency are English and French. A good knowledge of one of these two languages is required. Knowledge of another Member State language is an asset.

## CLOSING DATE

The closing date for applications is **2 January 2007**.

Applications from external candidates for this post should preferably be made [on-line](http://www.esa.int/careers) at the ESA Web Site ([www.esa.int/careers](http://www.esa.int/careers)). Those unable to apply on-line should submit their CV to the Head of the ESTEC Human Resources Division, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk ZH (the Netherlands).

ESA staff members wishing to apply for this post should fill in the Internal Application Form, which can be downloaded from <http://ids2.estec.esa.int/apply> and email it to [Apply2ESTEC](mailto:Apply2ESTEC).

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**Under ESA Regulations, the age limit for recruitment is 55. Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, the United Kingdom and Canada.**

**Priority will be first given to internal candidates and secondly to external candidates from under-represented Member States.**