

As one of Europe's leading research universities, Ludwig-Maximilians-Universität (LMU) in Munich is committed to the highest international standards of excellence in research and teaching. Building on its more than 500-year-long tradition, it offers a broad spectrum that covers all areas of knowledge within its 18 Faculties, ranging from the humanities, law, economics and social sciences, to medicine and the natural sciences.

DLR is the national aeronautics and space research centre of the Federal Republic of Germany. Its extensive research and development work in aeronautics, space, energy, transport and security is integrated into national and international cooperative ventures. The Institute of Atmospheric Physics of DLR investigates the physics and chemistry of the atmosphere from the surface up to the mesosphere. The knowledge of dynamical, cloud physical, and chemical processes constitute the basis for many aerospace applications. On both, regional and global scales the relevant processes and changes of the state of the atmosphere are quantified and systematically investigated using remote sensing, research aircraft, and computational models.

The **Faculty of Physics of LMU** and the **Institute of Atmospheric Physics of DLR** invite applications for a

Head of Department for Atmospheric Remote Sensing at the Institute of Atmospheric Physics of DLR and Professorship (W2) (6 years/tenure track) of Atmospheric Remote Sensing at the Faculty of Physics of LMU Munich

commencing as soon as possible.

The department of Atmospheric Remote Sensing is one of five departments at the Institute of Atmospheric Physics of DLR. It has a long tradition in passive satellite remote sensing and ground-based radar remote sensing of water and ice clouds, having developed a number of well-known algorithms for cloud detection and microphysics retrieval, with a special emphasis on natural ice clouds and aircraft contrails. Close collaboration is established with the chair of Experimental Meteorology at the faculty of physics at LMU where radiative transfer models are developed specifically targeted at the quantitative analysis of remote sensing observations. Preparing for and exploiting the EarthCARE mission is a major research aim of the Institute. We are looking for a scientist, with particularly outstanding achievements in active and/or passive cloud remote sensing, capable of leading a research group with 10 to 20 people. The candidate should be skilled in project management, teaching and team leadership, and take a keen interest in further promoting the research activities of the department and initiate new projects at the national and international level. The institute generates about 30% of its budget via external projects. The candidate is expected to contribute two hours per week (during semester) to the teaching activities in atmospheric physics at LMU Munich.

LMU Munich and DLR seeks to appoint a highly qualified junior academic to this professorship and, therefore, especially encourages early-career scholars to apply. Prerequisites for this position are a university and a doctoral degree. With an excellent record in research and teaching to date, prospective candidates will have demonstrated the potential for an outstanding academic career.

The future holder of this position will be appointed to LMU Munich as a university professor (pay grade W2) under the terms of a private-law contract and will be granted leave of absence in order to be employed at DLR as head of Department for Atmospheric Remote Sensing at the Institute of Atmospheric Physics based on an employment agreement under private law.

The initial appointment will be for six years. After a minimum of three years, it can be converted into a permanent position pending a positive evaluation of the candidate's performance in research and teaching as well as his or her personal aptitude and if all legal conditions are met.

LMU Munich and DLR make a point of providing newly appointed professors with various types of support, such as welcoming services and assistance for dual career couples.

LMU Munich and DLR are equal opportunity employer. The University continues to be very successful in increasing the number of female faculty members and strongly encourages applications from female candidates. LMU Munich intends to enhance the diversity of its faculty members. Furthermore, disabled candidates with essentially equal qualifications will be given preference.

Please submit your application comprising a curriculum vitae, documentation of academic degrees, certificates and a list of publications to the **Dean of the Faculty of Physics, Schellingstrasse 4, 80799 Munich, Germany**, as well as to **Prof. Dr. Markus Rapp, at the Institute of Atmospheric Physics (IPA) of Deutsches Zentrum für Luft- und Raumfahrt (DLR), Oberpfaffenhofen, 82234 Wessling, Germany**, no later than **June 30, 2015**.