

PhD position in Instrumentation for Experimental Elementary Particle Physics

There is a vacancy for a PhD position in Instrumentation for Experimental Particle Physics at the Department of Physics and Technology. The position is for a fixed-term period of 4 years.

About the project/work tasks

The position is within the Norwegian ATLAS project that is ensuring active participation in the ATLAS experiment at CERN's LHC. The emphasis for this position is within the ATLAS upgrade program, where the research group is part of the ITk project. Within ITk, we take part in the development of radiation hard pixel sensors and, as members of the RD53 collaboration, in the development of the readout electronics. The holder of the position is expected to take an active part in the programme, with possible involvements in the ASIC developments, testing and evaluation of pixel sensors and/or building a test facility for pixel sensor modules that are to be qualified for installation in the ITk. Given active participation in the above-mentioned activities, further studies can be chosen depending on the candidate's profile and interests in order to fulfill requirements of a PhD in instrumentation or experimental particle physics.

Qualifications and personal qualities:

- Applicants must hold a master's degree or the equivalent in experimental subatomic physics or microelectronics, or must have submitted his/her master's thesis for assessment prior to the application deadline. It is a condition of employment that the master's degree has been awarded.
- Experience from instrumentation and/or data-analysis is a requirement.
- Applicants must be able to work independently and in a structured manner, and demonstrate good collaborative skills.
- Applicants must be proficient in both written and oral English.

About the PhD position

The duration of the PhD position is 4 years, of which 25 per cent of the time each year comprises required duties associated with research, teaching and dissemination of results.

The employment period may be reduced if you have previously been employed in a qualifying post (e.g. research fellow, research assistant).

About the research training

As a PhD candidate, you must participate in an approved educational programme for a PhD degree within a period of 3 years. A final plan for the implementation of the research training must be approved by the faculty within three months after you have commenced in the position. It is a condition that you satisfy [the enrolment requirements for the PhD programme](#) at the University of Bergen.

We can offer:

- a good and professionally challenging working environment
- salary at pay grade 51 (Code 1017/Pay range 20, alternative 9) in the state salary scale. This constitutes a gross annual salary of NOK 449 400. Further promotions are made according to length of service in the position.
- enrolment in the Norwegian Public Service Pension Fund
- a position in an inclusive workplace (IA enterprise)
- good welfare benefits

Your application must include:

- a brief account of the applicant's research interests and motivation for applying for the position
- the names and contact information for two referees. One of these should be the main advisor for the master's thesis or equivalent thesis
- CV
- transcripts and diplomas showing completion of the bachelor's and master's degrees, or official confirmation that the master's thesis has been submitted
- relevant certificates/references
- a list of any works of a scientific nature (publication list)
- any publications in your name

The application and appendices with certified translations into English or a Scandinavian language must be uploaded at Jobbnorge before Dec. 9th 2018.

Link:

<https://www.jobbnorge.no/en/available-jobs/job/159573/phd-position-in-instrumentation-for-experimental-elementary-particle-physics>

General information

For further details about the position, please contact Professor Bjarne Stugu, (Bjarne.Stugu@uib.no)

The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. Age and gender balance among employees is therefore a goal. It is also a goal to recruit people with immigrant backgrounds. People with immigrant backgrounds and people with disabilities are encouraged to apply for the position.

We encourage women to apply. If multiple applicants have approximately equivalent qualifications, the rules pertaining to moderate gender quotas shall apply.

The University of Bergen applies the principle of public access to information when recruiting staff for academic positions.

Information about applicants may be made public even if the applicant has asked not to be named on the list of persons who have applied. The applicant must be notified if the request to be omitted is not met.

Further information about the employment process can be found [here](#).