



UNIVERSITETET I BERGEN

**University of
Bergen**
Department of
Informatics

Jobbnorge ID: 212553

Deadline: 11/14/2021

Website: <https://www.uib.no/om/84775/ledige-stillinger-ved-uib>

Scope: Fulltime

Duration: Fixed Term

Postdoctoral Research Fellow position within Informatics - Symbolic Algorithms

UiB - Knowledge that shapes society

Through robust and close interaction with the world around us - globally, nationally and locally - we shall be instrumental in building a society based on knowledge, skills and attitudes.

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Video: <https://www.youtube.com/watch?v=vtJLmcUJ3-w>

Postdoctoral Research Fellow position within Informatics - Symbolic Algorithms

At the [Department of Informatics](#), there is a vacancy for a postdoctoral research fellow position within Informatics - Symbolic Algorithms.

The position is for a fixed term of 3 years and is associated with the project project "Symbolic Algorithms: A Parameterized Approach", funded by the Research Council of Norway.

About the Department

Digitalization of businesses, industry, public administration, and education makes informatics play an increasingly important role in the development of the society. Research and education in informatics are crucial for the digital transformation of the society to succeed. The Department of Informatics contributes to this through seven research groups that deliver research and education at a high international level in algorithms, bioinformatics, information security, machine learning, optimization, programming theory and visualization. We are also building up a group in computer science didactics. The department offers education for the future at Bachelor, Master and PhD levels. The department is in rapid growth regarding its number of students, research directions, and employees. We have today about 900 students, and 150 employees, among which 37 are faculty and 70 PhD candidates. We have established the Center for Data Science ([CEDAS](#)) as an important extension of our research and education activities.

About the project/work tasks:

All employees are expected to contribute to excellence through high quality research and teaching. The working environment for this position will be at algorithms research group.

You will be working within the project "Symbolic Algorithms: A Parameterized Approach" which is funded by the Research Council of Norway under the Ground Breaking Research framework. The goal of the project is to advance the field of Symbolic Algorithms, which are algorithms operating with implicit inputs. Our goal is to develop new symbolic algorithms for problems of relevance to the field of artificial intelligence. You will be working in close collaboration with other members of the project, and with members from the algorithms group. Generous travel support is available for presenting papers at international conferences and for establishing international collaboration. The starting date of the position is January 2022, or as soon as possible thereafter.

Qualifications and personal qualities:

- Applicants must hold a Norwegian PhD or an equivalent degree in computer science. PhD-students may apply if the defence of the PhD-thesis is completed by 31/01/2022. It is a condition of employment that the PhD has been awarded before the start of the position.
- Applicants must also have a strong background and publication record in a subfield of theoretical computer science related to the position. Examples of such subfields are: algorithms, graph theory, combinatorics, automata theory, computational logic, complexity theory, etc.
- Applicants must be able to work independently and in a structured manner and have the ability to cooperate with others.
- Applicants must have excellent skills in oral and written English.
- Personal and relational qualities will be emphasized. Research experience, ambitions and potential will also count when evaluating the candidates.

About the position of postdoctoral research fellow:

The postdoctoral position is a fixed term position with the primary objective of qualifying the appointee for work in top academic positions. If the appointee lacks teaching experience, or other relevant qualifications, the employment period may be increased with up to 1 year. Teaching and other duties will in such cases be added to the position.

The position may be extended by up to one year (maximum 4 years in total) if the appointee is granted externally financed research stays abroad. Individuals may not be hired for more than one fixed-term period as a postdoctoral research fellow at the same institution.

For postdoctoral research fellow positions associated with externally financed projects, the completion of the project proposal for the qualifying work, as well as a progress plan, will be developed in cooperation with the supervisor and head of department.

It is a requirement that the project is completed in the course of the period of employment.

We can offer:

- a good and professionally stimulating working environment
- salary at pay grade 61 (code 1352 / pay range 24, alternative 5) according to the state salary scale upon appointment. This constitutes a gross annual salary of NOK 535 500. Further promotions are made according to length of service. For particularly highly qualified applicants, a higher salary may be considered.
- enrolment in the Norwegian Public Service Pension Fund
- 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 from the PhD programme.

CV

Transcripts and diplomas. If you have not yet completed your PhD degree, please submit a statement from your institution confirming the expected date of award of your degree. Your PhD degree must be documented with transcripts and/or diploma, alternatively a confirmation from your institution on completed degree, by 31.01.2022.

relevant certificates/references

list of any works of a scientific nature (publication list)

up to three of your most relevant publications for the position

The application and appendices with certified translations into English or a Scandinavian language must be uploaded at Jobbnorge by 14 November 2021

General information:

Detailed information about the position can be obtained by contacting:

[Researcher Mateus de Oliveira Oliveira](#)

[Head of Department Inge Jonassen](#)

For HR related matters, please contact [Lene Sørheim](#).

Employment is subject to approval with respect to the Norwegian export control legislation.

The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. 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 our employment process can be found [here](#).

About The University of Bergen (UiB)

The University of Bergen is a renowned educational and research institution, organised into seven faculties and approximately 54 institutes and academic centres. Campus is located in the centre of Bergen with university areas at Nygårdshøyden, Haukeland, Marineholmen, Møllendalsveien and Årstad.

There are seven departments and several centres at Faculty of Mathematics and Natural Sciences. [Read more about the faculty](#) and [departments](#).

Additional information

Place of service:

Christiesgt. 18 5020 Bergen (Bergen Municipality)