A postdoctoral fellowship is available at the Department of Mathematical Sciences at NTNU

Postdoctoral fellowship in representation theory

This is NTNU
At NTNU, creating knowledge for a better world is the vision that unites our 7 400 employees and 42 000 students.

We are looking for dedicated employees to join us.

You will find more information about working at NTNU and the application process here.

Video: https://www.youtube.com/watch?v=clqKd1SwGLI

About the position
A postdoctoral fellowship in representation theory (mentored by Aslak Bakke Buan and/or Øyvind Solberg) is available at the Department of Mathematical Sciences at NTNU starting in August 2021, or as soon as possible thereafter.

The position is part of the research project ‘Applications of reduction techniques and computations in representation theory (ARTaC), financed by the Research Council of Norway. The workplace will be Trondheim, Norway.

Duties of the position
The successful candidate should contribute towards the main objectives of the research project: Applications of reduction techniques and computations in representation theory (ARTaC). The project deals with homological, categorical and computational methods in representation theory, with emphasis on representations of finite dimensional algebras. Of particular interest are explorations of novel reduction techniques and computational techniques, and some specific applications related to generalizations of cluster combinatorics and classical homological conjectures.

The concrete research tasks for the will be adapted to the successful applicant. The project will be conducted in the research group for Algebra at NTNU (campus Gleshaugen, Trondheim).

Required selection criteria
A postdoctoral research fellowship is a qualification position in which the main objective is qualification for work in academic positions. You must have completed a Norwegian doctoral degree in mathematics, or a closely related field, or corresponding foreign doctoral degree recognized as equivalent to a Norwegian doctoral degree is required.

If, for any reason, you have taken a career break or have had an atypical career and wish to disclose this in your application, the selection committee will take this into account, recognizing that the quantity of your research may be reduced as a result.

The appointment is to be made in accordance with the regulations in force concerning State Employees and Civil Servants and national guidelines for appointment as PhD, post doctor and research assistant.

- Suitable candidates should have a PhD in representation theory or an area related to the project.
- Ability to carry out research at a high level, as demonstrated by published work.
- Demonstrated ability to communicate clearly and effectively with staff and students.
- Good written and oral English language skills.

Candidates with other experience relevant for the ARTaC-project will be preferred.

Personal characteristics
- High self-motivation
- Intrinsic curiosity and open-minded attitude
- Independent working style
- Very good communication skills
We offer

- exciting and stimulating tasks in a strong international academic environment
- an open and inclusive work environment with dedicated colleagues
- favourable terms in the Norwegian Public Service Pension Fund
- employee benefits

Salary and conditions
The employment period is 2 years. The department might have the possibility to offer a 6 to 12 months extension with teaching duties.

Postdoctoral candidates are placed in code 1352, and are normally remunerated at gross from NOK 545 300 per annum before tax, depending on qualifications and seniority. From the salary, 2% is deducted as a contribution to the Norwegian Public Service Pension Fund.

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants, and the acts relating to Control of the Export of Strategic Goods, Services and Technology. Candidates who by assessment of the application and attachment are seen to conflict with the criteria in the latter law will be prohibited from recruitment to NTNU. After the appointment you must assume that there may be changes in the area of work.

The position is subject to external funding.

It is a prerequisite you can be present at and accessible to the institution on a daily basis.

About the application
The application and supporting documentation to be used as the basis for the assessment must be in English.

Publications and other scientific work must follow the application. Please note that applications are only evaluated based on the information available on the application deadline. You should ensure that your application shows clearly how your skills and experience meet the criteria which are set out above.

The application must include:
- CV, certificates and diplomas
- Research plan or project proposal
- Academic works - published or unpublished - that you would like to be considered in the assessment
- Name and address of three referees

Joint works will be considered. If it is difficult to identify your contribution to joint works, you must attach a brief description of your participation.

In the evaluation of which candidate is best qualified, emphasis will be placed on education, experience and personal suitability.

NTNU is committed to following evaluation criteria for research quality according to The San Francisco Declaration on Research Assessment - DORA.

General information
Working at NTNU

A good work environment is characterized by diversity. We encourage qualified candidates to apply, regardless of their gender, functional capacity or cultural background.

The city of Trondheim is a modern European city with a rich cultural scene. Trondheim is the innovation capital of Norway with a population of 200,000. The Norwegian welfare state, including healthcare, schools, kindergartens and overall equality, is probably the best of its kind in the world. Professional subsidized day-care for children is easily available. Furthermore, Trondheim offers great opportunities for education (including international schools) and possibilities to enjoy nature, culture and family life and has low crime rates and clean air quality.

As an employee at NTNU, you must at all times adhere to the changes that the development in the subject entails and the organizational changes that are adopted.

In accordance with The Public Information Act (Offentleglova), your name, age, position and municipality may be made public even if you have requested not to have your name entered on the list of applicants.

If you have any questions about the position, please contact Aslak Bakke Buan, telephone +47 73550289, email: aslak.buan@ntnu.no.

Please submit your application electronically via jobbnorge.no with your CV, diplomas and certificates. Applications submitted elsewhere will not be considered. Diploma Supplement is required to attach for European Master Diplomas outside Norway. Chinese applicants are required to provide confirmation of Master Diploma from China Credentials Verification (CHSI).

If you are invited for interview you must include certified copies of transcripts and reference letters. Please refer to the application number 2021/12242 when applying.

Application deadline: 31.03.2021.

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The Norwegian University of Science and Technology (NTNU) creates knowledge for a better world and solutions that can change everyday life.

Department of Mathematical Sciences

We are Norway’s largest university environment in mathematical sciences. The Department has a particular responsibility for all basis education in mathematical sciences for engineering and natural science students at NTNU. We focus on long-term basic research and applied research at a high international level. Our aim is to meet the society’s needs for mathematical and statistical expertise in business and public administration as well as in the research and education sector. The Department of Mathematical Sciences is one of seven departments in the Faculty of Information Technology and Electrical Engineering.

Jobbnorge-ID: 201896, Søknadsfrist: 31. mars 2021