NTNU
Kunnskap for en bedre verden

Jobbnorge ID: 241597
Deadline: 3/23/2023
Website: http://www.ntnu.no
Scope: Fulltime
Duration: Temporary

The Department of Computer Science has a vacancy for a

Postdoctoral Fellow in Blockchain Technologies

This is NTNU
NTNU is a broad-based university with a technical-scientific profile and a focus in professional education. The university is located in three cities with headquarters in Trondheim.

At NTNU, 9,000 employees and 43,000 students work to create knowledge for a better world.

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

Video: https://youtu.be/Xt-yHCN5QS0

About the job
The postdoctoral fellowship position is a temporary position whose main goal is to qualify for work in senior academic positions.

The position is funded by the TRACE4EU project (financed by the Digital Europe Program) for two years. The TRACE4EU project is to participate in the design and implementation of sustainable use cases on the European Blockchain Service Infrastructure (EBSI). TRACE4EU is led by Slovenia with the participation of more than 50 European organizations and companies with the aim to design and implement holistic solutions for trustworthy products and data traceability.

The postdoctoral fellow has opportunities to:

- Work on core blockchain technologies, particularly cross-chain-related technologies, smart contracts, and IoT technologies related to blockchain.
- Work with European blockchain experts associated with the TRACE4EU project.
- Concentrate on high-quality studies for two years to be well-prepared for an academic career.

Your immediate leader is the group leader of Information Systems and Software Engineering.

Duties of the position
- Perform research on blockchain technologies, particularly cross-chain-related technologies, smart contracts, and IoT technologies related to blockchain.
- Contribute to supervising Ph.D. and Master students who have similar research focuses.
- Contribute to managing the TRACE4EU project.

Required selection criteria
- You must have completed a Norwegian doctoral degree or corresponding foreign doctoral degree recognized as equivalent to a Norwegian PhD in Computer Science. If you can document that the PhD thesis has been submitted, your application can be assessed even if you have not yet defended your dissertation. Documentation of the obtained doctoral degree must be presented before you can take up the position.
- Experience in developing blockchain-based applications.
- Solid understanding of blockchain-related technology challenges.
- Good written and oral English language skills.

The appointment is to be made in accordance with Regulations on terms of employment for positions such as postdoctoral fellow, Ph.D Candidate, research assistant and specialist candidate.

Preferred selection criteria
- Publications in prestigious computer science, blockchain, or IoT conferences and/or journals.

* Good IoT knowledge.

Personal characteristics
  * Critical thinking.
  * Ability to work and think independently.
  * Enthusiasm and passion.
  * Perseverance and commitment.

Emphasis will be placed on personal and interpersonal qualities.

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
As a Postdoctoral Fellow (code 1352) you are normally paid from gross NOK 563 500 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 period of employment is 2 years.

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 of the TRACE4EU project.

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 your application will be considered based solely on information submitted by the application deadline. You must therefore ensure that your application clearly demonstrates how your skills and experience fulfil the criteria specified above.

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 application must include:

  * CV and certificates.
  * Transcripts and diplomas for bachelor's-, master's- and PhD degrees. If you have not yet completed your Ph.D, you must provide confirmation on your estimated date for the doctoral dissertation, or that your PhD thesis has been submitted.
  * A copy of the doctoral thesis. If you are close to submitting, or have recently submitted your thesis, you can attach a draft of the thesis. Documentation of a completed doctoral degree must be presented before taking up the position.
  * Academic works - published or unpublished - that you would like to be considered in the assessment.
  * Research plan (max 5 pages).
  * Name and contact information of two referees.

If all, or parts, of your education has been taken abroad, we also ask you to attach documentation of the scope and quality of your entire education. Description of the documentation required can be found here. If you already have a statement from NOKUT, please attach this as well.

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 and interpersonal qualities. Motivation, ambitions, and potential will also count in the assessment of the candidates.

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

NTNU believes that inclusion and diversity is a strength. We want our faculty and staff to reflect Norway's culturally diverse population and we continuously seek to hire the best minds. This enables NTNU to increase productivity and innovation, improve decision making processes, raise employee satisfaction, compete academically with global top-ranking institutions and carry out our social responsibilities within education and research. NTNU emphasizes accessibility and encourages qualified candidates to apply regardless of gender identity, ability status, periods of unemployment or ethnic and cultural background.

NTNU is working actively to increase the number of women employed in scientific positions and has a number of [resources to promote equality](#).

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.

A public list of applicants with name, age, job title and municipality of residence is prepared after the application deadline. If you want to reserve yourself from entry on the public applicant list, this must be justified. Assessment will be made in accordance with [current legislation](#). You will be notified if the reservation is not accepted.

If you have any questions about the position, please contact Prof. Jingyue Li, telephone +47, 91897446, email jingyue.li@ntnu.no. If you have any questions about the recruitment process, please contact the HR-team at The Department of Computer Science, e-mail: hr@idi.ntnu.no.

If you think this looks interesting and in line with your qualifications, please submit your application electronically via jobbnorge.no with your CV, diplomas and certificates attached. Applications submitted elsewhere will not be considered. Upon request, you must be able to obtain certified copies of your documentation.

Application deadline: 23.03.23

NTNU

NTNU - knowledge for a better world

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

Department of Computer Science

We are the leading academic IT environment in Norway, and offer a wide range of theoretical and applied IT programmes of study at all levels. Our subject areas include hardware, algorithms, visual computing, AI, databases, software engineering, information systems, learning technology, HCI, CSCW, IT operations and applied data processing. The Department has groups in both Trondheim and Gjøvik. The [Department of Computer Science](#) is one of seven departments in the [Faculty of Information Technology and Electrical Engineering](#).

Additional information

Place of service:
Campus Gløshaugen 7491 Trondheim (Trondheim Municipality)