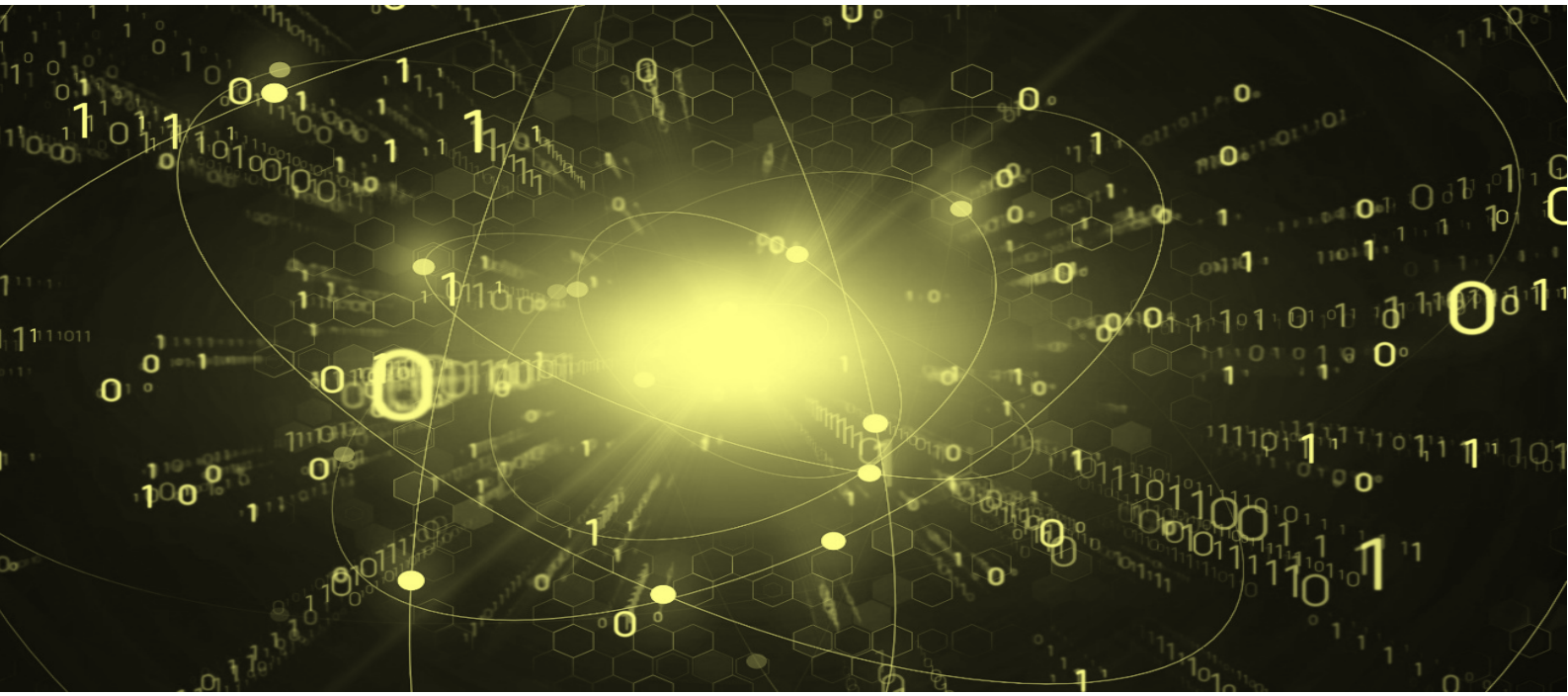
DeiC
Danish e-infrastructure Consortium

CALL FOR APPLICATIONS

PhD Scholarship in Quantum Algorithms or Quantum Software

DeiC National Quantum Algorithm Academy



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Information about the call

Application in e-grant form opens:
1 February 2026

Application deadline:
24 March 2026 12:00 CEST

Applicant notification:
Mid-June 2026

Earliest start date:
1 September 2026

Latest start date:
1 December 2026

Evaluation committee:
National Quantum Algorithm Academy Evaluation Committee

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For more information about DeiC.
https://www.deic.dk
https://deic.dk/da/quantum-infrastructure

Guideline version
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Background and implementation

In the Danish National Strategy on Quantum Technology part 1, DeiC is appointed to initiate activities "in order to support Denmark fully utilising access to quantum computers and supercomputers (HPC facilities) for the benefit of Danish research and innovation in the quantum field" [i]. In other words, to support the development of the next generation of algorithms and software related to future quantum computers and quantum simulators.

The DeiC Board of Directors has therefore decided to create Danish Quantum Algorithm Academy (DQAA). The academy will award scholarships on PhD and postdoc level to establish a national ecosystem for development of algorithms and software.

The PhD students and postdocs will be employed at the Danish universities or in Danish private companies (business PhD and business postdocs).

In addition to organizing the scholarship programme, the DQAA will manage a national coordinating function, with for instance support for workshops, meetings, a sabbatical programme, and other instruments which can boost a national quantum infrastructure.

The DQAA scholarship programme had two calls in 2024. In future years one annual call is expected.

The call can be applied for by researchers from both the traditional STEM fields and by researchers from other fields such as health science, social sciences, and humanities. Interdisciplinary applications are welcome.

The programmes opening now are:

- **3-year PhD Scholarships to be applied for by associate professors or full professors at Danish universities.**
- **3-years Business PhD Scholarships.**
- **2-3-years Postdoc Scholarships to be applied for by PhDs.**
- **2-3-year Business Postdoc Scholarships to be applied for by PhDs.**

The calls will be posted through DeiC communication channels (website, social media, and newsletter), direct mails to the Danish universities and for the postdoc calls through relevant scientific newsletters.

Both PhD students and Postdocs must be affiliated with a Danish university as host university for the scholarship.

PhD Scholarship on Quantum Algorithms or Quantum Software

DQAA is offering fully funded 3-year PhD scholarships in the areas of Quantum Algorithms or Quantum Software. The stipends are scheduled to begin in 2026.

Associate professors and full professors at Danish universities can apply for fully funded scholarships aiming to develop, study or test quantum algorithms, related software, and their applications. The principal applicant is assumed to be the main supervisor.

As a rule, a researcher can only mentor for one PhD student funded from DQAA at a time.

These scholarships can be applied for by researchers from the traditional STEM fields and by researchers from other fields such as health science, social sciences, and humanities. Interdisciplinary applications are welcome.

A PhD student does not need to be identified before the application is granted.

The stipend will be administered by the PhD School of the main applicant, and the student shall be enrolled at that PhD school. The selection of students follows the procedures of the PhD school.

The grant will cover salary and pension in accordance with the agreement between the Ministry of Taxation and The Danish Confederation of Professional Associations on Academics in the State, a fee of 80.000 DKK per year covering running expenses and thesis evaluation, and 44 % overhead.

The application must include a tentative estimate of the required access to quantum computing and HPC resources. Access to a selection of quantum computer systems, quantum simulators and HPC-systems will be negotiated separately as part of the DeiC Q-Access programme.

The supervisor and the student automatically become members of the National Quantum Algorithm Academy and have the obligation to participate in activities related to the academy, e.g. working groups, schools, meetings, dissemination etc. and in general to contribute to the advancement of the Danish quantum algorithm community.

Application guidelines

These guidelines are intended to assist you in the application process when applying for the PhD scholarship grant from DQAA.

It is important that you carefully read these guidelines before initiating the application process, as the guidelines contain the complete call text as well as instructions regarding the application.

DQAA will treat all applicants and application information confidentially, using the national grant system e-grant. e-grant can be accessed through e-grant.dk , using MitID or by manually creating a user account.
Read more about personal data collection in e-grant in general and on how long your data is stored in e-grant: https://ufsn.dk/english/processing-of-personal-data-by-the-danish-agency-for-higher-education-and-science/

DQAA is committed to promoting diversity in all its aspects. Therefore, all potential applicants, regardless of their academic field, ethnicity, religion, gender identity, or age, are encouraged to apply for the fund's resources.

When applying to DQAA, you must provide a comprehensive description of the PhD project, including details about the participants involved.

The application should contain the following elements:

- Objectives and success criteria: Define the goals of the project and the criteria for measuring success.
- State-of-the-art and theoretical background: Provide an overview of the current state of knowledge and any theoretical frameworks relevant to the project.
- Project description: outline the project's scope, methodology, and expected outcomes.
- Expected publications: list anticipated publications resulting from the project.
- Courses, conferences, and international stays: Detail the planned participation in relevant courses, conferences, and any international experiences.
- Structure and timeline: Describe the project structure and provide a detailed timeline.
- Potential third Parties: Include information about any third parties involved.

Additionally, the application must include:
CV for advisor(s): Provide CV for the university advisor(s)
CV for potential candidate: Include CV for potential candidate if identified

Failure to comply with the formatting and deadline requirements specified in the e-grant application form and annex templates, or use of incorrect templates, may result in DeiC rejecting the application without evaluation.

It is possible for the university to apply for the programme without a specific PhD candidate. If the application is approved, the parties must find and approve a qualified candidate within six months of approval date.

DeiC will publish the title, summary, and participants of approved projects on our website. Ensure that the title and summary do not contain confidential information.

Application content

Principal applicant

Information	Guidelines
First name	
Last name	
Job Title	
Phone number	
Work email address	
Nationality	
ORCID number	
Affiliation/university	The principal applicant must be from a Danish university
Department	
Department address	
Department website	
CV	(PDF) Please provide a brief CV, max 2 pages, with details of relevant educational and research experience. The CV must include a link to a full CV.
Publication list	(PDF) Please provide a list of up to 10 most relevant publications for evaluating your experience. Include a complete specification of all authors for each publication with your own name highlighted. This document is solely for written publications authored by the applicant. Exhibitions and other non-written publications should not be included in this document. Include a link to full publication list in ORCID).
Summary of own research	Please provide a concise summary (max 2.000 characters) of own research relevant for the application
Supplementary information	(voluntary) Use this field to make the review committee aware of any unusual circumstances regarding your application that the committee should be aware of. Please do not include any personal information of sensitive character (i.e. illness, family conditions)

Co-applicants (must be completed by all co-applicants)

Information	Guidelines
First name	
Last name	
Job title	
Phone Number	
Work email address	
Nationality	
ORCID number	
Affiliation/university	The principal applicant must be from a Danish university
Department	
Department address	
Website	
CV	(PDF) Please provide a brief CV, max 2 pages, with details of relevant educational and research experience. The CV must include a link to a full CV.
Publication list	(PDF) Please provide a list of up to 10 most relevant publications for evaluating your experience. Include a complete specification of all authors for each publication with your own name highlighted. This document is solely for written publications authored by the applicant. Exhibitions and other non-written publications should not be included in this document. Include a link to full publication list in ORCID).

Proposal

Describe the suggested project for the PhD candidate providing the following information:

Information	Guidelines
Project title	Maximum 150 characters, including spaces
Executive summary of project	Please provide a stand-alone summary of the project, describing its purpose, target group and activities. The summary must be suitable for publication. Maximum 2.000 characters including spaces.
Project description	(PDF max 4 pages, including illustrations and references) Describe the project in detail here. The description can include purpose, hypothesis, methodology and relevance for the purpose of the call.
Estimate of required access to Quantum Computing and HPC resources	(PDF max 1 page). Describe the estimated required access to Quantum Computing and HPC resources for the project.

Evaluation procedure and selection process

Key criteria for the assessment of applications

The application must be submitted via e-grant, www.e-grant.dk.

The application will be evaluated according to the following criteria:

1. The experience of the applicants, demonstrating the ability to supervise the project.
2. The scientific value of the project.
3. Relevance to the scope of the call, including the project's application perspective.

Deadline for applications:
Material received after the deadline will not be considered. If the required material is incomplete, the application will be rejected administratively.

The deadline for this call is the 24 March 2026 at 12:00 CEST.

Evaluation process
We expect the evaluation process to be finished by mid-June 2026.

Evaluation committee
The evaluation committee comprises five individuals with strong research experience in the relevant areas. Members are selected after the application deadline from a pool of 15 subject-matter experts. This approach optimises disciplinary coverage and minimises conflicts of interest.
Each application is assessed by three experts.
The committee makes recommendations to the DeiC Board who makes the final decision.

Appeals
According to Ministerial Order no. 615 of 29 May 2023 (Ministerial Order on Danish e-Infrastructure Consortium's Tasks and Organization, etc.) paragraph 18, decisions on the management and allocation of funds for digital research infrastructures and on the research network, including the allocation of computation time, cannot be appealed to another administrative authority.

From approval to project start

An approved PhD project begins on the date the university enrols the candidate as a PhD student. The enrolment date must be on or after the date the project grant is awarded. The project must commence no later than six months after approval. If conditional approval has been given, the condition must also be met within six months. If the approved project does not start within six months of approval, or if the condition is not fulfilled within six months – for example, due to the absence of a candidate or the candidate not being graduated – the DQAA reserves the right to withdraw the grant.

Once the project is approved, DQAA will create a grant case in e-grant. You will need to submit financial statements, reports, and other documents related to the project obligations through e-grant. All project participants must be added to the grant case in e-grant. It is the responsibility of the project parties to ensure that relevant individuals are always attached to the case.

About Danish e-Infrastructure Consortium (DeiC)

The Danish e-infrastructure Consortium (DeiC) is tasked with the mandate to develop and coordinate cooperation on digital research infrastructure between universities covered by the Danish University Act.

DeiC's vision is that researchers at the Danish universities must have access to a digital infrastructure that enables research and education at a high international level.

Other relevant institutions with educational and research activities can participate in the collaboration after approval by DeiC's board.

DeiC's board consists of members at management level from the eight Danish universities, who all have a mandate from their own university. In addition, the Rectors College appoints a board chairperson for DeiC.

DeiC's legal basis is described in executive order BEK 615 of 26/05/2023.

[i] Strategy for Quantum Technology June 2023
Part 1 – World-Class Research and Innovation