

## Terms of reference for the Danish Quantum Algorithm Academy under DeiC

### § 1 Purpose

The Danish Quantum Algorithm Academy is established to strengthen the national activities within the development and testing of quantum algorithms. It awards scholarships at the level of PhD and postdoc and aims to strengthen a national ecosystem at a high international level for the development of quantum algorithms and associated software libraries.

In addition to the scholarship program, the Academy must carry out a national coordinating function, including support for workshops, work meetings, a guest program and other activities that can promote development. Over time, the Academy will build an alumni program for scholarship recipients, supervisors and others who have received support from the Academy, with the aim of maintaining a strong forum of interest in quantum algorithms and their applications.

### § 2 Framework for the Academy's activities

The Danish Quantum Algorithm Academy works within the framework of DeiC's quantum program, which is implemented through "The National Strategy for Quantum Technology Part 1" and "Rammenotat om udmøntning af forskningsreservebevillingen til DeiC vedr. styrkelse af forskeres og virksomheders adgang til super og kvantecomputere og fremme dansk deltagelse i kompetenceopbyggende aktiviteter inden for anvendelse af kvanteteknologi."

(2) Together with the EuroHPC Quantum Excellence Center (QEC) effort, in case it is approved, the Academy constitutes the Q-Algorithm part of DeiC's quantum program.

Q-Algorithm collaborates with the two other sections within the DeiC's quantum program, Q-Access and Q-Competence, to create a unified Danish ecosystem for the development and testing of algorithms for quantum computers.

### § 3. The Academy Council

DeiC establishes the Academy Council with one member from each of the 8 Danish universities. Each university appoints one member and one alternate. A university may for a period choose to leave the associated seat vacant. The DeiC Board appoints from among its own members a Chair of the Academy Council.

(2) Members and chairpersons shall be appointed for a period of three years, which may be extended by decision of the DeiC's Board.

(3) No fees shall be paid to members of the Academy Council.

(4) The DeiC head of quantum is assigned to the academy and participates in the meetings of the Academy Council.

(5) Secretarial support for the Academy Council shall be provided by the DeiC Secretariat.

(6) The Academy Council shall draw up rules of procedure, which shall be sent for information to the DeiC Board.

#### **§ 4 Scholarship Program**

The Academy Council is responsible for a scholarship program at PhD and postdoctoral level. The scholarship program is financed by an annual grant from DeiC, which is allocated when the year's budget is adopted. It is the Council's task to balance the scholarships between the four target groups, ordinary PhD and post. doc scholarships, and industrial PhD and postdoctoral fellowships.

The PhD students and postdocs are employed at Danish universities or in private companies (industrial postdoc and industrial PhD).

**(2)** The Council shall establish criteria for the handling and evaluation of applications for the scholarship program.

**(3)** The Council shall recommend members of an expert committee to the DeiC. Members must be experts in the field defined by the purpose of the academy, at least at the level of associate professor.

**(4)** The expert committee shall draw up a priority list of applications which, in the opinion of the committee, have the professional level to obtain a grant. The Academy Council approves the list and submits it to the DeiC Board for final approval.

#### **§ 5 Other activities**

The Academy Council prepares a plan for the Academy's other activities, including:

- workshops
- Focused working meetings
- Guest program
- Summer and winter schools
- alumni program, e.g. professional meetings for the academy's alumni or professional visits
- Sabbatical program for researchers at Danish universities, e.g. support for short stays at foreign research institutions or at a Danish company.

The Academy Council is free to propose additional activities.

For each activity, a description, a budget and a schedule for the implementation of the activity are drawn up. Workshops, meetings and schools are implemented in collaboration with one or more universities.

**(2)** The Academy's other activities are financed by an annual grant from DeiC, which is allocated when the year's budget is adopted.

**(3)** DeiC's Board of Directors approves the budget and schedule before an activity is established.

#### **§ 6 Conflict of interest**

The Academy Council and its subcommittees follow the rules used in connection with the work of the Danish research foundations.

#### **§ 7 Annual reporting**

In October each year, the Academy Council submits an activity report to DeiC's Board and a draft budget for the following financial year.

#### **§ 8 Communication**

In collaboration with DeiC's secretariat, a page with communication about the academy's activities will be established on DeiC's website under quantum projects. DeiC's communication team is responsible for updating and maintaining the page and its subpages.

#### **§ 9 Termination**

The Academy shall cease to exist if the grant is reduced to such an extent that the purpose can no longer be achieved. The decision to stop the Academy's activities is taken solely by DeiC's Board of Directors, after consultation with the Academy Council and the Agency for Higher Education and Research.

**(2)** Short-term activities shall cease upon expiry of the Academy grant. Ongoing scholarships are given as project grants, the amount of which has been paid in advance to the host institution, ensuring that the project is not interrupted prematurely.

**Endorsed by DeiC's Board of Directors at its meeting on 27. March 2024**