



Niels Bohr
Quantum
Summer School

Apply here:



Join a summer school program for PhD students,
where cutting-edge quantum research meets real-world innovation.

The programme welcomes both Danish and international PhD students
providing a unique international perspective.

Niels Bohr Quantum Summer School

Inspiration to shape the Future

10 - 21 August 2026

Centre for Quantum Mathematics - Odense, Denmark

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Welcome

Building on the success of last year's programme, the Niels Bohr Quantum Summer School brings together Danish and international PhD students in a dynamic and collaborative learning environment.

As a participant, you will learn from leading researchers and industry experts about quantum algorithms, hardware and applications, while engaging with the ethical and societal dimensions of quantum technologies and their impact beyond the laboratory.

Beyond the classroom, the summer school will have a cultural and social programme — highlighted by past participants as a defining part of the experience — which fosters lasting connections, new collaborations and an international network that extends well beyond the summer school.

Who can attend?

Students pursuing a PhD in mathematics, computer science, physics, chemistry or related fields.

Note that a high proficiency in English is required.

How to apply?

Complete the application form at quantumsummer.dk and attach the following documents in a single PDF file. Use the file name format: HomeUniversity_FirstName_LastName.pdf:

- Letter of motivation (max one page)
- CV
- Recommendation letter from your PhD supervisor



Students pitching their research projects with potential for commercialisation.

BEST MEMORY:

"The time I got to spend discussing and working with my fellow students. Especially the student challenge was exciting and fun."

- Participant from the Netherlands.

Course

The Niels Bohr Summer School will feature a list of dedicated lecturers all with extensive experience and strong expertise in quantum research.

We will present the lecturers on our website quantumsummer.dk as soon as they are confirmed.

The teaching methods combine lectures, case-based learning, events and field trips to provide a dynamic and immersive learning experience.

The Niels Bohr Quantum Summer School also includes a social programme to foster connections among the participants and introduce them to the vibrant city of Odense - and of course have fun.

During the summer school we will arrange an industry event, bringing together the whole quantum ecosystem.

Practical information

The summer school is funded by the Danish Ministry of Higher Education and Science.

This means that tuition, accommodation, planned social activities and most meals (except dinner) will be covered. If your PhD grant does not include funding for travel, you may ask for reimbursement of travel expenses up to DKK 5,000, (approximately \$697 or €670).

Note that participants are responsible for their own visa application (if applicable) and travel insurance. For visa requirements, visit nyidanmark.dk/en



Professor Jaewook Ahn, KAIST, giving a lecture

BEST ADVICE:

*"Take photos, write journals, and do discussions as much as you can.
Check the lecturers and prepare questions if possible."*

- Participant from South Korea

Application process

The summer school aims to enrol 70 students, both Danish and international. The summer school evaluation committee will carefully review all applications. The selection will be based on academic qualifications and motivation while also considering diversity in backgrounds, disciplines, and perspectives.

As the Quantum Summer School is an initiative under the Danish National Quantum Strategy, there is a particular focus on applicants from the countries highlighted in the strategy: USA, UK, Switzerland, Canada, Israel, South Korea, Japan, Australia, Germany, Netherlands, France, Sweden, and Finland.

As a partner, Innovation Centre Denmark supports the international outreach and promotion of the summer school towards students in USA, Israel, Germany, and South Korea.

Accommodation

Participants will be staying in single rooms at Cabinn Odense, Østre Stationsvej 7, 5000 Odense. From here you can get to University of Southern Denmark via tram or in 'Danish style' on bike. Continental breakfast is included in your stay.

CABINN Odense Hotel is located right by the train station and a few minutes walk from the historic district, where you will find, among other things, H.C. Andersen's House. The rooms have free Wi-Fi, coffee/tea and a private bathroom. The breakfast café is located on the top floor, from where you have a great view of the centre of Odense.



Industry day bringing together academia, industry and governmental institutions

BIGGEST SURPRISE

"I was really fascinated and surprised to learn about the scale of Denmark's investment into quantum technology. It made me much more aware of Danish companies and government opportunities in this industry. The speakers and entrepreneurship events were very inspiring."

- Participant from the USA

A part of a national initiative

The Niels Bohr Quantum Summer School is a direct result of the Danish National Quantum Strategy, published in 2023.

The summer school is therefore designed to showcase the entire Danish quantum ecosystem, aligning with the strategy's objective of fostering a robust and innovative quantum sector in Denmark.

In its first year, the Niels Bohr Quantum Summer School was held at the Niels Bohr Institute in Copenhagen with participation from 70 students with 21 different nationalities.

In 2026 the summer school will move location to University of Southern Denmark and will be hosted by the Centre for Quantum Mathematics.

Future summer schools will rotate among other universities in Denmark in the following sequence:

2027: Technical University of Denmark

2028: Aalborg University

The summer school is organised by:

Professor Jørgen Ellegaard Andersen, University of Southern Denmark

Professor Jaco van de Pol, Aarhus University

Professor Rafal Wisniewski, Aalborg University

Associate professor Kim Splittorff, University of Copenhagen

Associate professor Niels Gregersen, Technological University of Denmark

Science and Innovation Attaché Inie Nør Madsen, Innovation Centre Denmark Seoul

Programme Coordinator Louise Juel Broch, DeIC





Questions

If you have questions of any kind please reach out to the coordinator of the summer school.

Louise Juel Broch

louise.broch@deic.dk

Apply now:
quantumsummer.dk

