

Niels Bohr Quantum Summer School

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

The program welcomes both Danish and international Ph.D. students providing a unique international perspective.

Niels Bohr Quantum Summer School

Inspiration to shape the Future

Niels Bohr Institute – Copenhagen – Denmark

11 – 22 August 2025

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Lecturers

Aashish Clerk, Professor, leader of the Pritzker School of Molecular Engineering, University of Chicago

Cathal Mahon, Chief Business Officer, Deep Tech Lab Denmark

Charles Bennet, Professor, IBM Fellow, IBM Research

Eliska Greplova, Associate Professor leader of the Quantum Matter and AI (QMAI) group at Kavli Institute of Nanoscience, Delft University of Technology

Giovanna Sammarco Tancredi, Senior Researcher, Quantum Technology, Microtechnology and Nanoscience, Chalmers Institute of Technology

Jaewook Ahn, Professor, Department of Physics, Korea Advanced Institute of Science and Technology

Jeffrey Grover, Research Scientist, Research Laboratory of Electronics Massachusetts Institute of Technology

Jonatan Kutchinsky, Vice President, Cryogenic Electronics, Quantum Machines

Marcus Rommel, Senior Research Engineer at Nanofabricationlab, MC2 at Chalmers University of Technology & Chief Technology Officer at Con-Science AB

Poul Erik Lindelof, Professor Emeritus, consultant in physics based archeology

Sabrina Maniscalco, Professor of Quantum Information, Computing, and Logic and Chief Executive Officer at AlgoritmIQ

William Oliver, Henry Ellis Warren (1894) Professor of Electrical Engineering and Computer Science & Professor of Physics, Massachusetts Institute of Technology

Wolfgang Dür, Professor of Theoretical Physics University of Innsbruck

Monday 11 August

09:00 - 10:00 Registration

10:00 - 12:00 Official opening of the summer school with reception

12:00 - 12:30 Students walk to Blegdamsvej

12:30 - 13:00 Welcome and practical information

13:00 - 14:00 Q Information William Oliver

14:00 - 14:15 Short Break

14:15 - 15:15 Q Information Jaewook Ahn

15:15 - 16:00 Transport to Kongens Nytorv

16:00 - 18:30 Guided tour through the streets of Copenhagen

18:30 - 21:00 Pizza and beer at NBI

Tuesday 12 August

09:00 - 10:00 Introduction to student challenge
Kim Splittorf

10:00 - 10:15 Short break

10:15 - 12:15 Q Information Jaewook Ahn

12:15 - 12:45 Lunch

12:45 - 14:45 Q Information William Oliver

14:45 - 15:45 Discussions

Wednesday 13 August

09:00 – 10:00 Q Systems Aashish Clerk

10:00 – 10:15 Short break

10:15 – 12:15 Q Systems Jeff Grover

12:15 – 12:45 Lunch

12:45 – 13:45 Discussions

13:45 – 17:10 “Hands-On” in Q Labs Kim Splittorf

Thursday 14 August

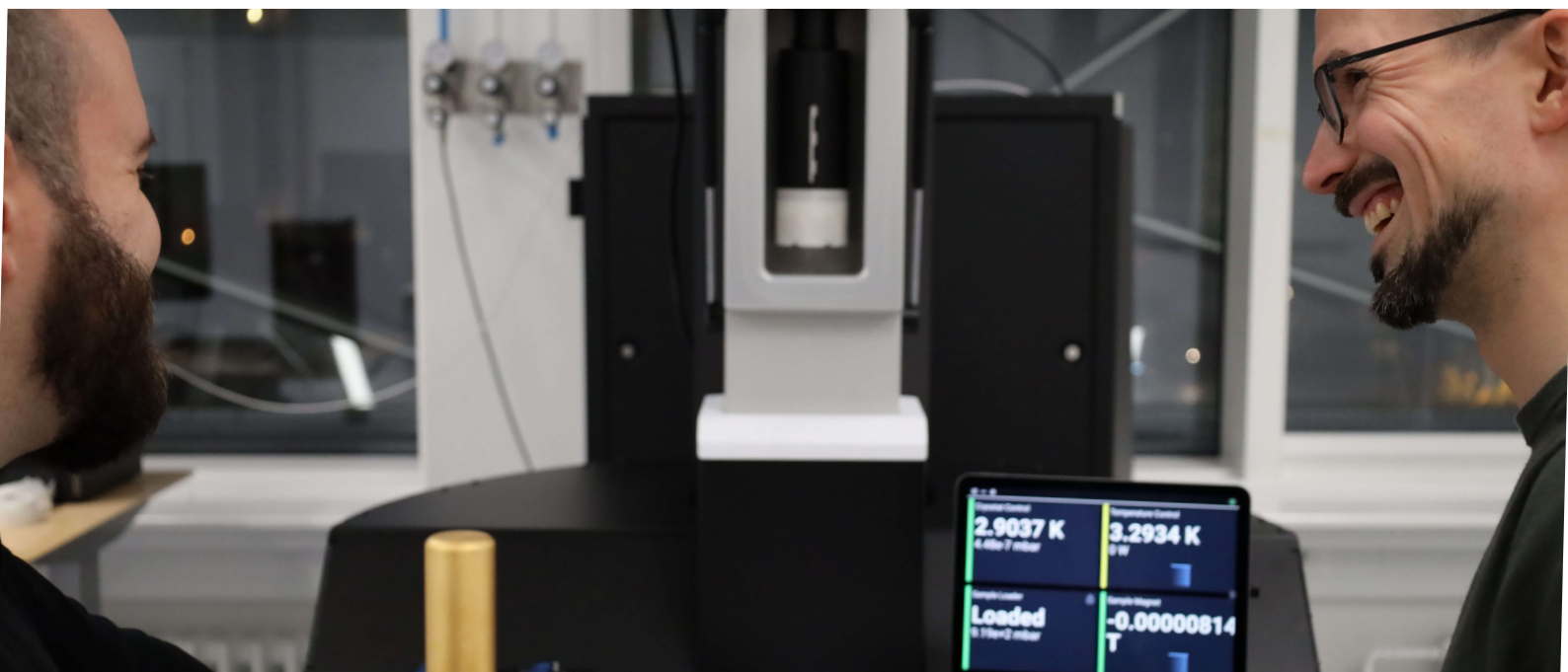
09:00 – 12:15 Hands on Q Labs
Kim Splittorf

12:15 – 12:45 Lunch

12:45 – 14:45 Q Systems Aashish Clerk

14:45 – 15:00 Short break

15:00 – 16:00 Q Systems Wolfgang Dür



Friday 15 August

09:00 - 11:00 Q Systems Wolfgang Dur

10:00 - 11:15 Short break

11:15 - 12:15 Q Systems Jeff Grover

12:15 - 12:45 Lunch

12:45 - 13:15 Discussions

13:15 - 17:00 Student poster session

Saturday 16 August

10:45 - 11:45 Transport to Ungdomsøen
Ferry leaves from Nyhavn at 11.15

11:45 - 14:30 Visit to Ungdomsøen laser game and other activities
Bring a towel and a bathing suit if you want to go swimming

We will be divided into two groups and will take turns in a laser game.

14:50 Sailing back to Nyhavn

Sunday 17 August

Sunday free to do your own thing ...

Monday 18 August

09:00 – 11:00 Q Pioneers Poul Erik Lindelof

11:00 – 12:00 Discussions

12:00 – 12:30 Lunch with pioneers

12:30 – 13:30 Q Pioneers Charles Bennett

13:30 – 16:00 Student challenges inputs from pioneers

19:30 – 21:00 Possible social activity:
Board games at Folkehuset Absalon

Tuesday 19 August

09:00 – 11:00 Q Pioneers Speaker TBC

11:00 – 12:00 Student challenge input from pioneers

12:00 – 12:30 Lunch with pioneers

12:30 – 13:30 Q and AI Eliška Greplova

13:30 – 13:45 Short break

13:45 – 14:45 Q Systems Giovanna Sammarco Tancredi

14:45 – 16:00 Discussions

Wednesday 20 August

09:00 – 11:00 Giovanna Sammarco Tancredi

11:00 – 12:00 Discussions

12:00 – 12:30 Lunch

12:30 – 14:30 Q and AI Eliška Greplova

14:30 – 16:00 Working with student challenge

Thursday, 21 August

09:00 – 10:00 DIANA Deep Tech Quantum
Cathal Mahon

10:00 – 10:15
5 Short break

10:15 – 11:15 Q Entrepreneurship
Jonatan Kutchinsky

11:15 – 11:30 Students walk to BioInnovation Institute (BII)

11:30 – 18:00 Industry event at BII starting with lunch
Marcus Rommel, Con-Science AB
Sabrina Maniscalco, Algorithmiq
and more to come ...

18:00 – 21:00 Farewell dinner

Friday 22 August

09:00 – 12:00 Student challenge presentations

12:00 – 12:30 Student challenge prizes

12:30 – 13:00 Lunch

13:00 – 16:00 Celebration and diplomas

The summer school is organised by:



**INNOVATION
CENTRE
DENMARK**



Questions



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

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Send your application via our website quantumsummer.dk

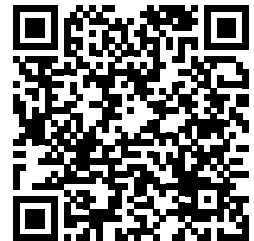


Photo credit: VisitCopenhagen