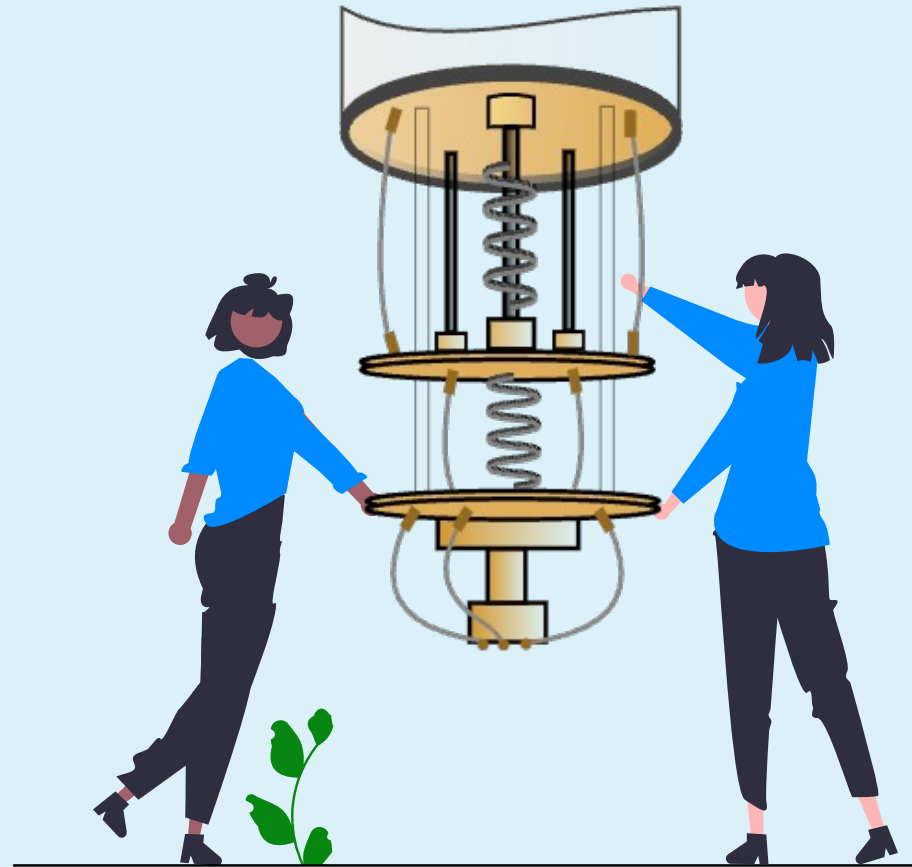




UCT Quantum Computing Society 2026

Societies Recognition
Meeting

13 October 2025



UNIVERSITY OF CAPE TOWN
IYUNIVESITHI YASEKAPA • UNIVERSITEIT VAN KAAPSTAD

Agenda



- Introduction
- Plan of action
- Proforma constitution
- Collaboration in the South African quantum ecosystem
- Administration and communication
- Closing



Introduction

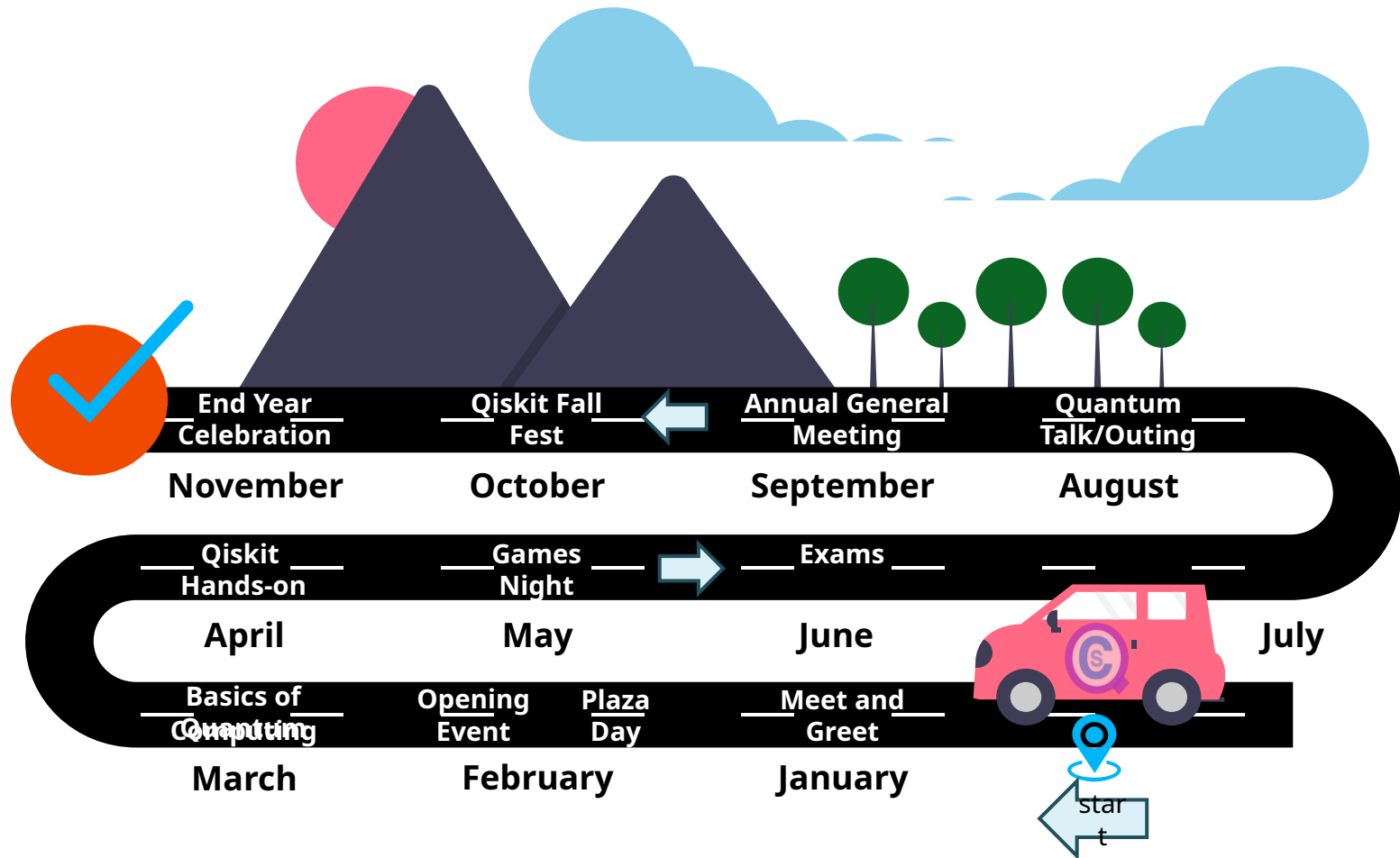
Welcome to the UCT Quantum Computing Society (UCT-QCS)! We exists to advocate for Quantum Computing in Africa by building an active ecosystem at University of Cape Town. Our mission is to empower students to become future leaders in the field through education, collaboration, and hands-on exposure to real-world quantum technologies.



Plan of Action

Our key objectives include:

- *Building a strong community of students passionate about quantum and quantum computing.*
- *Fostering learning opportunities through meetups, seminars, and hands-on projects.*
- *Facilitating meaningful engagement on discussions related to Quantum and Quantum Computing.*



Proforma Constitution

On memberships

- Members of the Society can be either ordinary members or honorary members, with ordinary members including any University student, any staff member with committee approval, and staff members who are not also students who can participate in Intervarsity competitions.

On meetings

- "A meeting of the Society may be either the Annual General meeting, a general meeting or a special meeting;"
- "All meetings shall be well advertised."

On rules and discipline

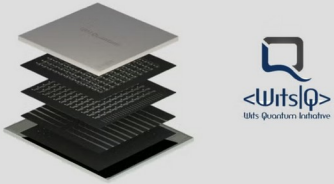
- "All persons by becoming members of the Society submit themselves to the rules and discipline of the Society and the University."

On diplomacy

- "Except where otherwise provided in this Constitution all matters determined by a vote shall be decided by a majority of those present and voting"
- "The Committee shall serve for one year, or until the election of a new committee, whichever period is the shorter"



IBM Quantum



IBM Quantum and Wits: Quantum Computing Talks

★★★★☆ 4.7 • 162 ratings

Johannesburg, South Africa

1,769 members • Public group

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CHPC launches access to Quantum Computing

Home > CHPC Launches Access To Quantum Computing

The *Centre for High Performance Computing* (CHPC) provides the South African research community with cloud and high-performance computing resources. As part of the resolutions from the CHPC's National Conference in December, the centre is proud to announce that it will serve as the hub for access to physical quantum computing resources for its users.

IBM Quantum Platform

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Learning Courses Modules Composer

Courses

Start learning and applying quantum computing with Qiskit through our library of 10+ courses from leading experts.

Course series

Quantum Information & Computation with John Watrous



Course 1

Basics of Quantum Information

Learn about quantum information, from states and measurements to quantum circuits and entanglement.

New lesson 5 hours

Course 2

Fundamentals of Quantum Algorithms

Learn how quantum algorithms beat classical algorithms for problems including integer factoring and search.

5 hours

Course 3

General Formulation of Quantum Information

Dive deeper into quantum information, including density matrices, channels, and general measurements.

5 hours

Course 4

Foundations of Quantum Error Correction

Learn how quantum computations can be protected against noise through quantum error correcting codes and fault tolerance.

New 5 hours

Instances

An instance is a deployment of Qiskit Runtime, needed to access quantum computers. Account owners and administrators define the instance configuration, including plan, allocated time, and QPU access.

Open (1)

0

Total used

10m

Remaining to use

10m

Total available to plan

Search open instances by name or CRN

Instance ↓	CRN	Resource group
qgss25	crn:v1:bluemix:p...	Default

QUANTUM COMPUTING SOCIETY 2026

7

Qiskit Global Summer School

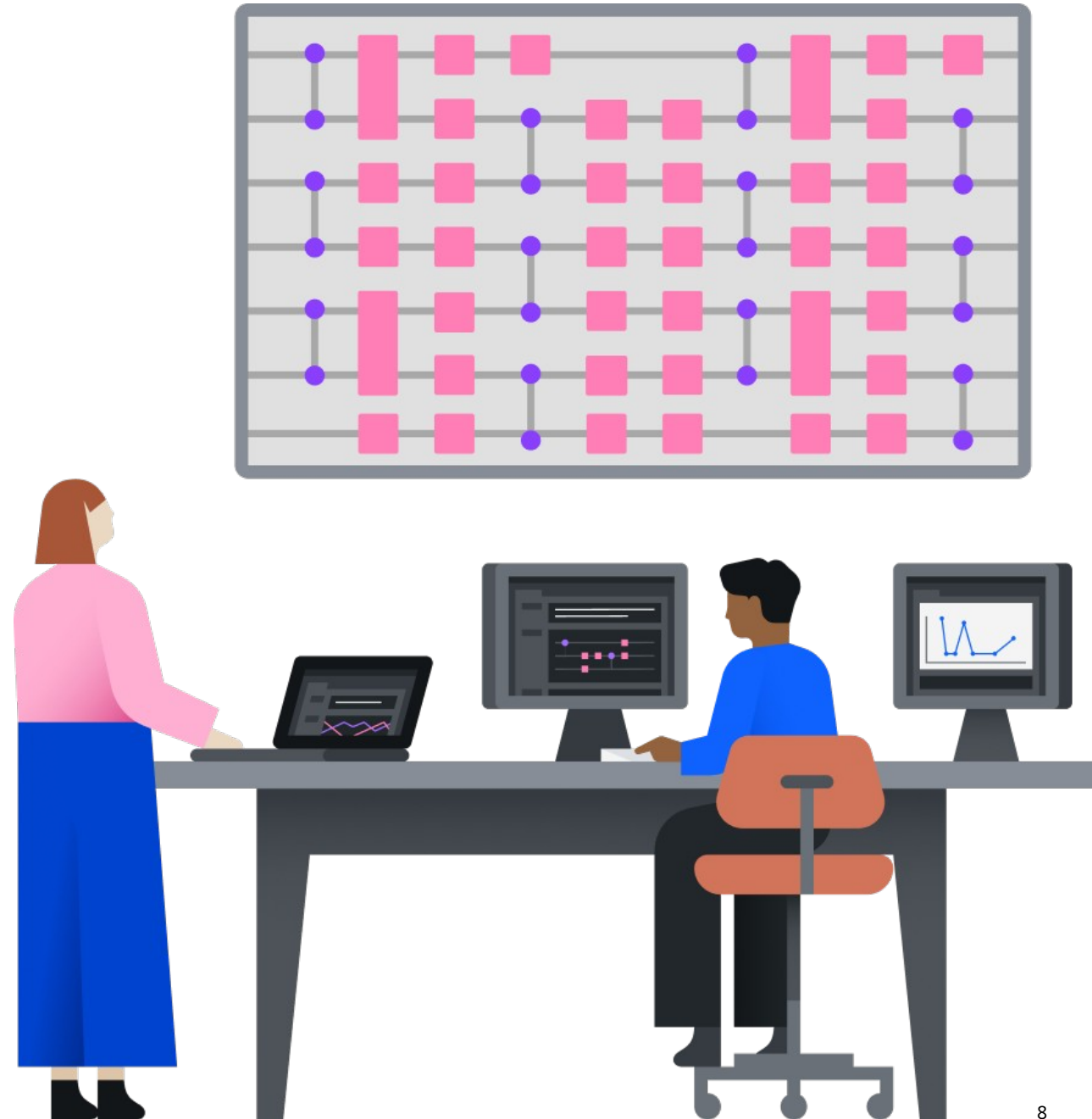
Our largest educational event every year. Two weeks of lectures, labs, Q&As, and community engagement.

Rooted in the IBM Quantum Learning courses, with new content each year.

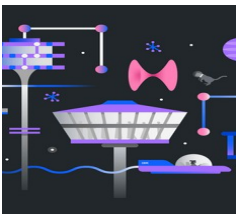
6,000+ seats sold out in 2024.

Live event featuring badges for completion, extra assignments for partners, and more.

After the event is over, the lecture material becomes available on YouTube.



Qiskit Fall Fest



Student-led quantum computing events on campus

↳ Crafted by student leaders, supported by IBM

Working with the student leaders of today to shape the industry leaders of tomorrow

Organic growth of local communities

Since 2021:

195

Events

28k+

Attendees

(Pictured: 2024 Qiskit Fall Fest event at The University of Ibadan in Nigeria)



QUANTUM COMPUTING SOCIETY 2026

Administration and Communication

Candidate Chair

- o Bonga Njamela*
- o Sonwabile Baartman
- o Kenneth Freeman
- o Kellem Lengwati
- o Shiraaz Abrahams

Candidate Vice Chair

- o Siphesihle Gema*
- o Malefetsane Lenka
- o Kgotsofatso Mello
- o Andiswa Linda
- o Lunga Buthelezi
- o Shiraaz Abraham

Industry Advisory Board

- o Ndivhuwo Nyase (IBM Research Africa)

Candidate Secretary

- o Kellem Lengwati*
- o Lunga Buthelezi
- o Kgotsofatso Mello
- o Yivani Mabono

Candidate Treasurer

- o Kgotsofatso Mello*
- o Yivani Mabono
- o Keith Matsiko
- o Ditiro Nkuna

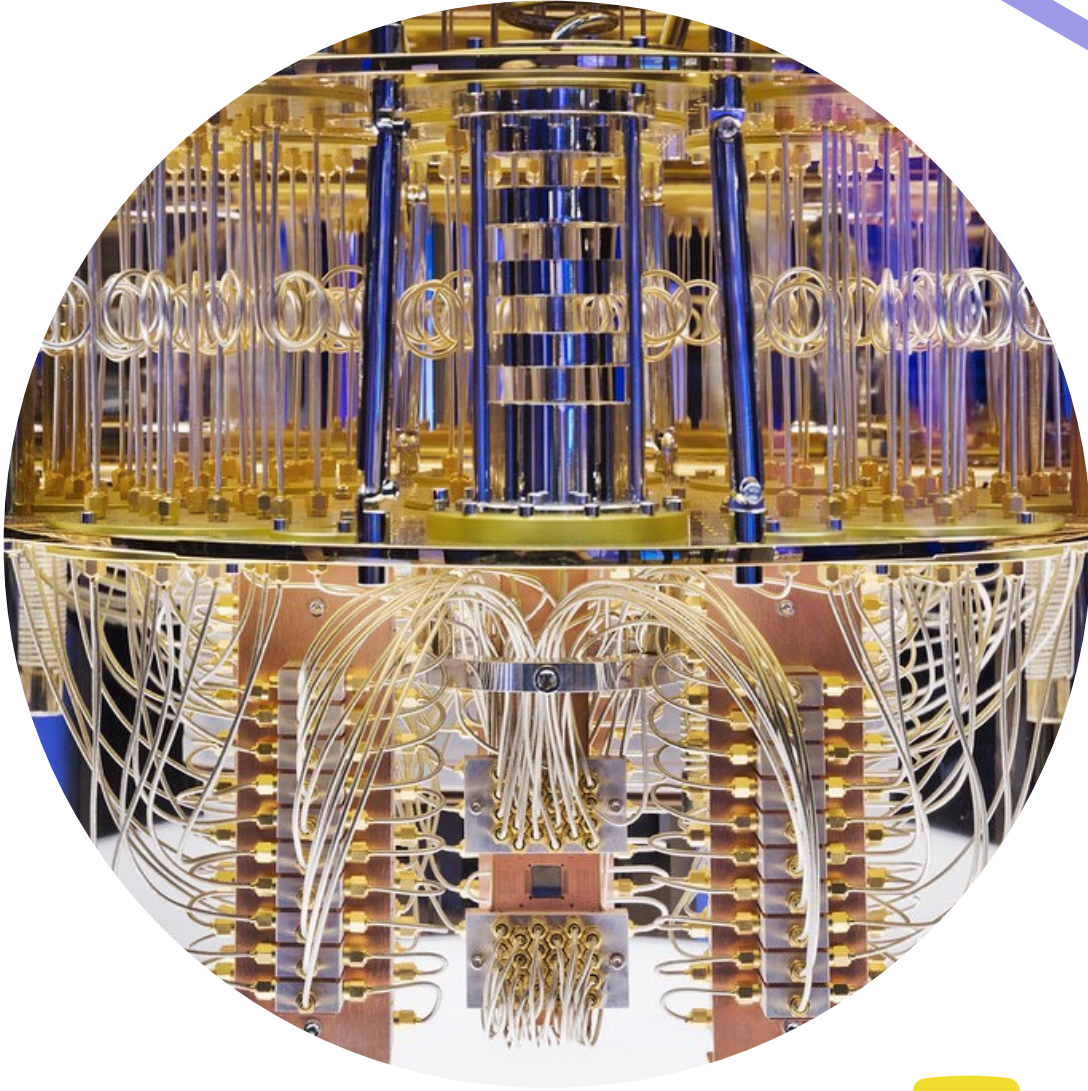
Candidate Socials Manager

- o Celestin Nahimana*
- o Sphiwe Makenete
- o Tinashe Masvire
- o Sibusiso Khumalo
- o Nkcubeko Mjikeliso
- o Siphesihle Moloi
- o Kellem Lengwati
- o Wade Schroeder
- o Siyabonga Yende
- o Manganyi Yeuko



Communication and Collaboration





Thank you

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