



About the cover

Credit: Luis Villegas-Aguilar,
PhD Student, Griffith University

Abstract image of the future quantum Internet. It depicts entanglement between three distant nodes in a quantum network. It features a central station that connects different nodes and enables long-distance quantum communication between them. This image is a variation of the cover image for our paper (Tischler/Slussarenko/Pryde's and Rogge's group collaboration), which will appear in the high-impact journal Nature Communications in 2024.

CQC²T Annual Report 2023

We sincerely thank all involved in the publication of the CQC²T Annual Report 2023 for their efforts.

Special thanks to:

Alison Taylor, Gabrielle Green,
Emily Pirovic, baby Alex Pirovic (design)
and Reacon Group (printing).

© Centre for Quantum Computation
and Communication Technology 2024

Centre for Quantum Computation & Communication Technology

The University of New South Wales
Sydney, NSW, Australia

SHARE



cqc2t.org

CONTACTS

UNSW Sydney

Centre for Quantum Computation
& Communication Technology
School of Physics
Sydney NSW 2052

Contact

Executive Officer to
Professor Michelle Simmons
Director
T (02) 9385 9584
E admin-cqc2t@unsw.edu.au

Australian National University

Department of Quantum Science,
Building 38a Science Road,
Acton ACT 2601

Contact

Professor Ben Buchler
T (02) 6125 9973

Griffith University

School of Natural Sciences
Griffith University
Nathan QLD 4111

Contact

Professor Howard Wiseman
T (07) 3735 7279

University of Melbourne

School of Physics
Parkville Vic 3010

Contact

Professor Lloyd Hollenberg
Deputy Director
T (03) 8344 4210

RMIT University

College of Science, Engineering and Health
Melbourne VIC 3000

Contact

Professor Nicolas Menicucci
T (03) 9925 1891

University of Queensland

School of Mathematics & Physics
St Lucia QLD 4072

Contact

Professor Tim Ralph
T (07) 3346 9693

University of Technology, Sydney

Faculty of Engineering and
Information Technology
Broadway NSW 2007

Contact

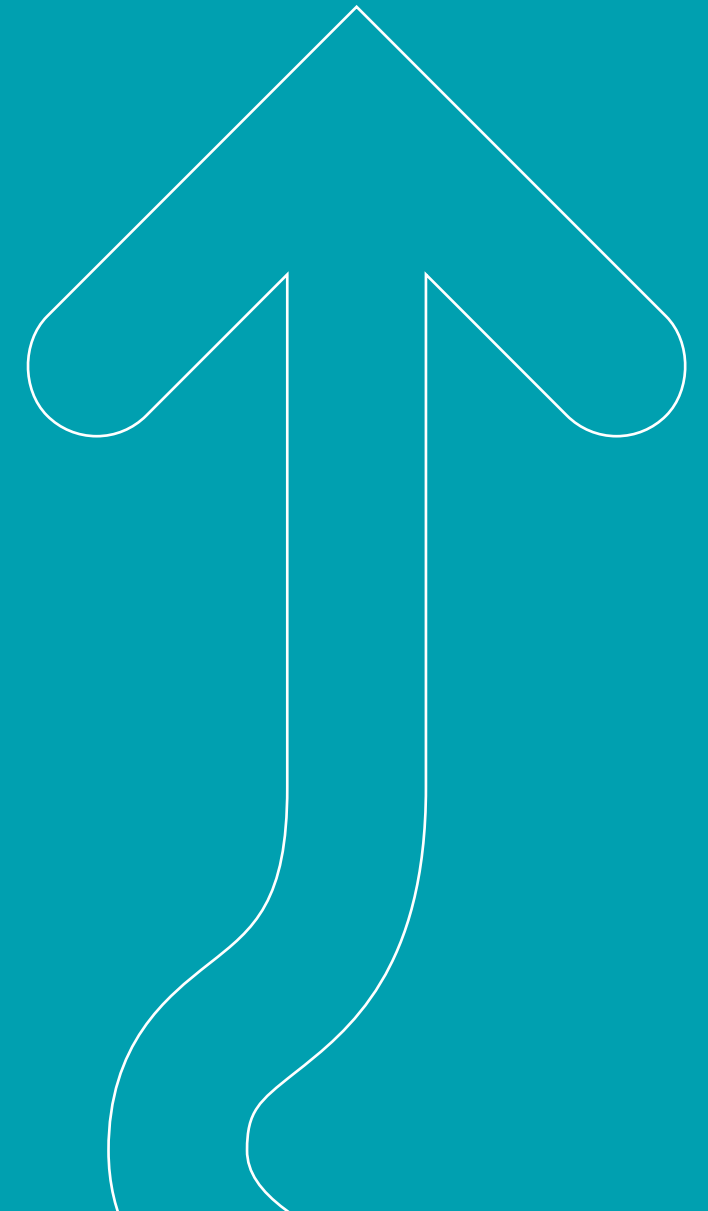
Professor Michael Bremner
T (02) 9514 1308

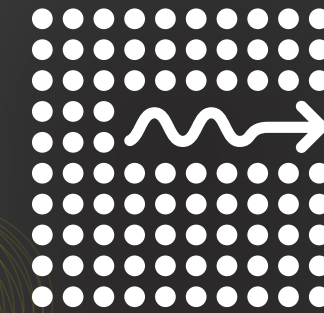
ACKNOWLEDGEMENTS

cqc2t.org

The Centre for Quantum Computation and Communication Technology (CQC²T) is supported through the Centre of Excellence program administered by the Australian Research Council under grant number CE170100012. The Centre is headquartered at UNSW Sydney, and comprises researchers based at the following eight Australian institutions: Australian National University, Griffith University, the University of Melbourne, the University of Queensland, RMIT University, the University of Technology Sydney, UNSW Sydney and UNSW Canberra.

Each participating organisation contributes substantial in-kind resources.





CENTRE FOR
QUANTUM
COMPUTATION &
COMMUNICATION
TECHNOLOGY

AUSTRALIAN RESEARCH COUNCIL
CENTRE OF EXCELLENCE

CENTRE FOR QUANTUM COMPUTATION & COMMUNICATION TECHNOLOGY

ANNUAL REPORT 2023

ANNUAL
REPORT

2023