

Quantum Computing Interest Group 2025

Participate in hands-on workshops featuring leading quantum computing researchers, invited as guest-speakers. The focus will be on building quantum algorithms to address specific industrial problems, along with a comparative analysis of their classical algorithm counterparts.

Dates

- 4 March - Welcoming Session
- 11 March - Introduction to Quantum Computing
- 18 & 25 March - Linear Programming
- 8 & 15 April - Integer and Mixed-Integer Programming
- 22 & 29 April - Graph Theory
- 6 & 13 May - ODE's and PDE's

Venue and Time

MSL004 @ 13:15 - 14:10 (Lunch Hour)

Presented by

Mr Shawal Kassim & Dr Warren Carlson
& School of CSAM

Contact

Ms Keadiretse Mosiane

Email: keadiretse.mosiane@wits.ac.za

Tel: +27 11 717 6138

WitsQ is a University of the Witwatersrand initiative that is dedicated to building awareness and interest in quantum technologies across diverse fields, leveraging interdisciplinary collaboration to harness the transformative potential of quantum advancements. From quantum computing to AI and secure communication, we explore how quantum technology can transform various fields. Whether you're in computer science, engineering, or beyond, WitsQ helps you discover the exciting possibilities of the quantum world.

SA-QuTI is a national initiative with five research nodes across South Africa, driving research and advancing technologies in quantum computing, communication, and sensing. By fostering collaboration between universities, industry, and government, SA-QuTI is building a skilled workforce and a thriving quantum ecosystem.

Strictly 2nd year Science students and up

Scan/Click the QR Code below



South African
Quantum
Technology
Initiative



INTERNATIONAL YEAR OF
Quantum Science
and Technology



UNIVERSITY OF THE
WITWATERSRAND,
JOHANNESBURG