

Postdoctoral fellowships in experimental superconducting circuits in Singapore

The quantum circuits research and engineering workgroup (qcrew) is a new research team in the Centre for Quantum Technologies (quantumlah.org) in Singapore. We focus on building interesting and impactful quantum devices using superconducting microwave circuits information processing. The team is led by assistant professor Yvonne Gao. Yvonne earned her Ph.D from Yale in the Schoelkopf group in 2018 and has been awarded the prestigious National Research Foundation Fellowship in 2019 to start her own team in Singapore. To learn more about Yvonne and the qcrew, please visit quantumcrew.org.

We are seeking motivated young scientists who are ready to take up a leadership role to spearhead new research initiatives and provide guidance to junior members of the team. As part of the founding team for the qcrew, the successful candidate will be in a unique position to gain extensive experience in every aspect of setting up sophisticated quantum circuits experiments. Furthermore, they will also have the platform to play an active role in developing new experiments and shape the future research directions of the group. We strive towards creating a supportive environment for our team members to thrive and get ready for their next career steps!

Requirement:

- Solid foundation of quantum mechanics and condensed matter physics
- Strong Ph.D track record in experimental physics, electrical/RF engineering.
- Motivated to tackle challenging problems and take up leadership responsibilities
- Good command of English and communication skills

To apply, please contact Yvonne directly at yvonne.gao@nus.edu.sg.