



Michelle Y. Simmons

STEM field(s): Technology, Science, Engineering

Born: 1967, London, UK

Lives: Sydney, NSW (Gadigal land of the Eora Nation)

- PhD in physics on the realisation of high efficiency solar cells (Durham University).
- Research fellow in quantum electronics at the Cavendish Laboratory, University of Cambridge.
- Moved to Australia in 1999 as a QEII research fellow and founding member of the Australian Research Council Centre of Excellence for Quantum Computer Technology.
- Created the field of atomic electronics and helped develop the world's smallest transistor based on a single atom.
- Demonstrated the world's first integrated circuit at the atomic-scale.
- Is pioneering a globally unique technology to manufacture quantum computers here in Australia.
- Is a passionate advocate for rigorous science education and for girls to build careers in physics and computing.
- Currently CEO of Silicon Quantum Computing, a Professor of Physics and Director of the Centre of Excellence for Quantum Computation and Communication Technology, University of NSW.
- 2018 Australian of the Year; 2019 Officer of the Order of Australia (AO).
- Hobbies: Barre addict, painting, historical movies, music and dinners with friends and family.

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'4 mantras: Do what's hard, place high expectations on your-self, take risks and do something that matters.'