

## Delegation – Australia



*Erik Streed*

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Erik Streed is an Associate Professor of Physics at Griffith University with appointments as Deputy Director of the Centre for Quantum Dynamics and as a Research Leader in the Institute for Glycomics. His focus is on experimental quantum physics and its applications into fields including materials and life sciences. He's most noted for his pioneering work in combining high numerical aperture diffractive optics with trapped ions for quantum information applications, which also resulted in the first imaging of a single atom's shadow. This high-resolution optical technology has been further used to demonstrate a scalable approach for creating atom-photon interconnects as well as realise sub-attoNewton sensitivity single atom force sensors.