



Contribution ID: 661

Type: **Poster**

Compilation of algorithm specific graph states for quantum circuits

Tuesday 13 December 2022 18:45 (15 minutes)

Measurement based quantum computing is an alternate formulation of quantum computing to the ubiquitous circuit model. Here we demonstrate how to generate algorithm specific graph states to implement arbitrary quantum circuits in this model.

Primary author: VIJAYAN, Madhav Krishnan (University of Technology Sydney)

Co-authors: Dr PALER, Alexandru (Aalto University); Dr MYERS, Casey (Silicon Quantum Computing); GAVRIEL, Jason (University of Technology Sydney); Dr ROHDE, Peter (University of Technology Sydney); DEVITT, Simon (UTS)

Presenter: VIJAYAN, Madhav Krishnan (University of Technology Sydney)

Session Classification: Poster session

Track Classification: AIP Congress: AIP: Quantum Science and Technology