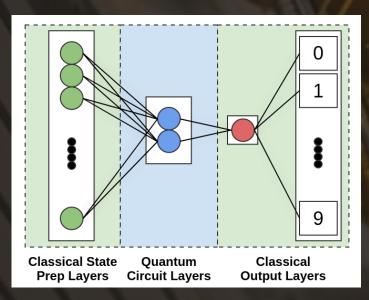
## Machine Learning Algorithms for Quantum Computing

Matthew Dobson, Glen Uehara, Andreas Spanias SENSIP at Arizona State University



**Hybrid QNN** 

## The Pitch

- ☐ Want to leverage quantum advantages for ML applications
- Have developed a hybrid quantum-classical neural network for image-based classification
- Benchmark using MNIST dataset

Simulator:	Qasm	Statevector
Runtime (min):	14.38	10.44
Accuracy (%):	96-99	99.4

