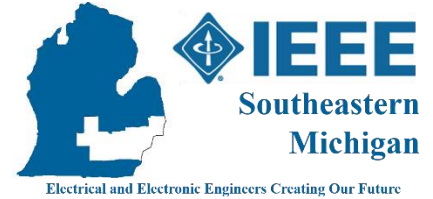
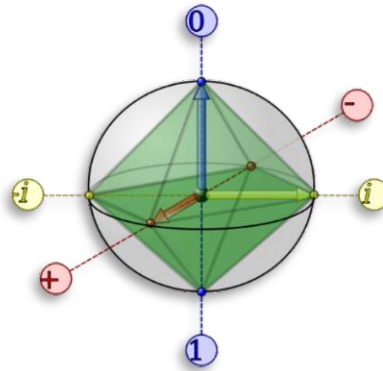


# IEEE SE Michigan Computer & Education Society

Presents

## Introduction to Quantum Computing



Quantum computing is the exploitation of physical properties of quantum states, such as superposition and entanglement, to perform computation. The devices that perform quantum computations are known as quantum computers. They are believed to be able to solve certain problems, such as integer factorization (used in cryptography), substantially faster than classical computers. Quantum Computing is expected to grow in the next few years as the field shifts toward real-world use in pharmaceutical, data security and many other applications.

### Speaker Bio:

Alex Khan is the Principal Consultant and Advisor Quantum Computing at Aligned IT, LLC. He is an active contributor to the rapidly growing quantum computing ecosystem advising various quantum startups including QuSecure and is now writing a quantum computing book to be published by Packt in 2022. He is currently leading a joint quantum security project between QuSecure and Harrisburg University where he is a Corporate Faculty member in quantum computing. He is a former Health IT executive and has a BSME from Purdue University, MSME from Kansas State University and an MBA from Duke University. He has a certificate in quantum computing from MIT

### At Glance

- **When:**  
Date: October 8<sup>th</sup> 2021  
Time: 12:00 PM – 1:30 PM  
(EST/EDT)
- **Where:**  
Online via Webex (to be shared only after you have a confirmed registration)
- **Audience:** OPEN to ALL\*

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