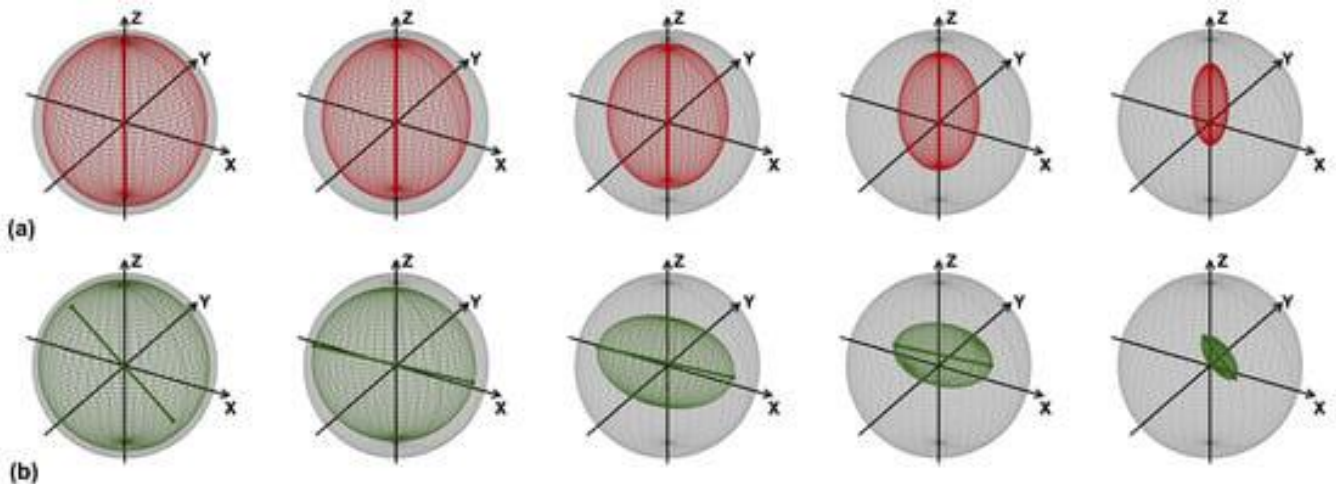Industry; Business & Commerce
Research; Engineering, Management
Education; Schools, colleges, Training
Government; Policies

Quantum Computing
Error Correction Techniques
Wed. 13th March 2024, 6:30 pm, Online

The Systematic Innovation Special Interest Group (SISIG) of IEEE UK & Ireland, is delighted to announce another exciting webinar dedicated to innovations in the field of applied Quantum computing .

Quantum computing represents a groundbreaking paradigm shift in the world of information processing, promising unprecedented computational power by harnessing the principles of quantum mechanics. Quantum computing presents immense potential In the area of Artificial Intelligence (AI) and data science, to revolutionise problem-solving capabilities. Quantum algorithms offer the promise of tackling complex optimisation, machine learning, and pattern recognition tasks at a scale and speed unattainable by classical computers.

Moreover, quantum computing has the potential to unlock new frontiers in data science by enabling the processing of vast datasets with unparalleled speed and efficiency, leading to breakthroughs in areas such as drug discovery, financial modelling, and cryptography. As quantum computing continues to advance, its integration with AI and data science promises to usher in a new era of innovation, solving previously intractable problems and driving transformative advancements across various industries.

Despite its vast potential, Quantum computing, is impeded by challenges like decoding and system noise, necessitating effective quantum error correction techniques. This presentation aims to explore these techniques, focusing on their practical application.

Attending this engaging session is recommended to researchers, students, expert practitioners, as well as those interested in Quantum computing, Artificial Intelligence and data Science.

<p style="text-align:center">Wednesday 13th March 2024</p>

Programme

18:15 ~ 18:30 –	**Welcome and registration**
18:30 ~ 19:15 –	**Dr Mahmudul Hassan Presentation**
19:15 ~ 19:25 –	**Question and Answer**
19:25 ~ 19:30 –	**Close**

Speaker

Dr Mahmudul Hasan is the Chief Operating Officer (COO) and Lead Data Scientist at Mediprospects.ai. He has a PhD in Artificial Intelligence and leverages his 12+ years of experience in the field to build data-driven AI products that solve real-world problems in healthcare and ageing. Mahmudul is passionate about transforming data into actionable insights and creating value for clients and users.

Registration

Free tickets (IEEE members and wider public) available from:

https://www.eventbrite.co.uk/e/quantum-computing-error-correction-techniques-tickets-845602418597?aff=oddtdtcreator