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Communicating Science: Effective Delivery To Any Audience

Wednesday 11 September 2024 14:00 (30 minutes)

Abstract:

Effective science communication is crucial for bridging the gap between complex scientific concepts and diverse audiences. In this talk, I will explore strategies to convey scientific ideas clearly and engagingly, ensuring accessibility for individuals with varying levels of background knowledge. We will discuss the importance of storytelling in science communication, as well as techniques for simplifying technical jargon without compromising the integrity of the information. This talk aims to empower scientists, educators, and communicators to effectively share their work with broader, more diverse audiences, fostering a greater public understanding and appreciation of science.

Bio:

Sara Ayman Metwalli has a Ph.D. in Quantum Computing at Keio University, Japan, where she focused on developing and optimizing quantum algorithms and debugging tools for Noisy Intermediate-Scale Quantum (NISQ) devices. Sara has made significant contributions to quantum information science, particularly in the areas of quantum error correction and fault-tolerance. Her work has been published in leading journals and presented at international conferences, highlighting her role as an emerging leader in the quantum computing field.

In addition to her research, Sara has a strong commitment to STEM education and outreach. She has extensive experience as an educator, teaching programming and quantum computing to a wide range of students, from K-12 to university graduates. Sara is passionate about increasing diversity in STEM and has actively worked to create inclusive educational environments that empower underrepresented groups to pursue careers in science and technology.”

Presenter: METWALLI, Sara (Argonne National Laboratory)