

Space-Based Quantum Networking at JPL

Monday, 13 February 2023 16:15 (45 minutes)

Quantum technologies promise new capabilities for communication, sensing, and computing. Quantum system performance is generally improved through networking, and a “global quantum internet” is seen as a key infrastructure to realize this promise. Spacecraft quantum technologies will serve an important role in future quantum networking architectures. I will review active, upcoming, and planned JPL space missions that deploy quantum technologies in space, with an emphasis on quantum-networking systems.

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