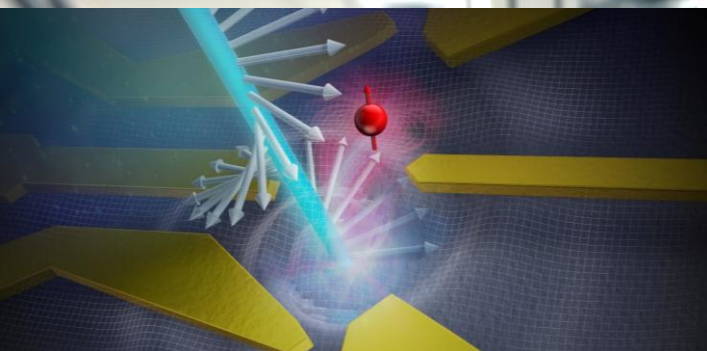


Department of Quantum System Electronics

(Division of Information and Quantum Sciences, SANKEN)



Pioneering Spin-Based Quantum Network Systems

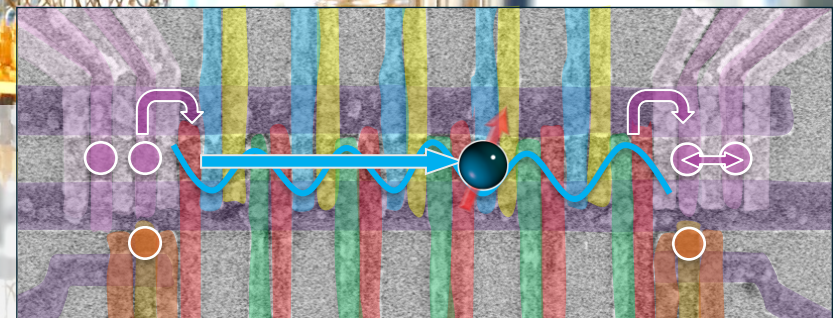


Photon–Spin Quantum Interface

Converting Quantum Entangled States
Extending Quantum Cryptographic Communication

Quantum Dot Arrays & Spin Transport

Transmission of Charge and Spin States
Mid-Range Coupling within Quantum Computing Hardware



Superconductor/Semiconductor Junctions

Nonlocal Entanglement Generation in Solids
Strong Spin-Microwave Coupling

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