

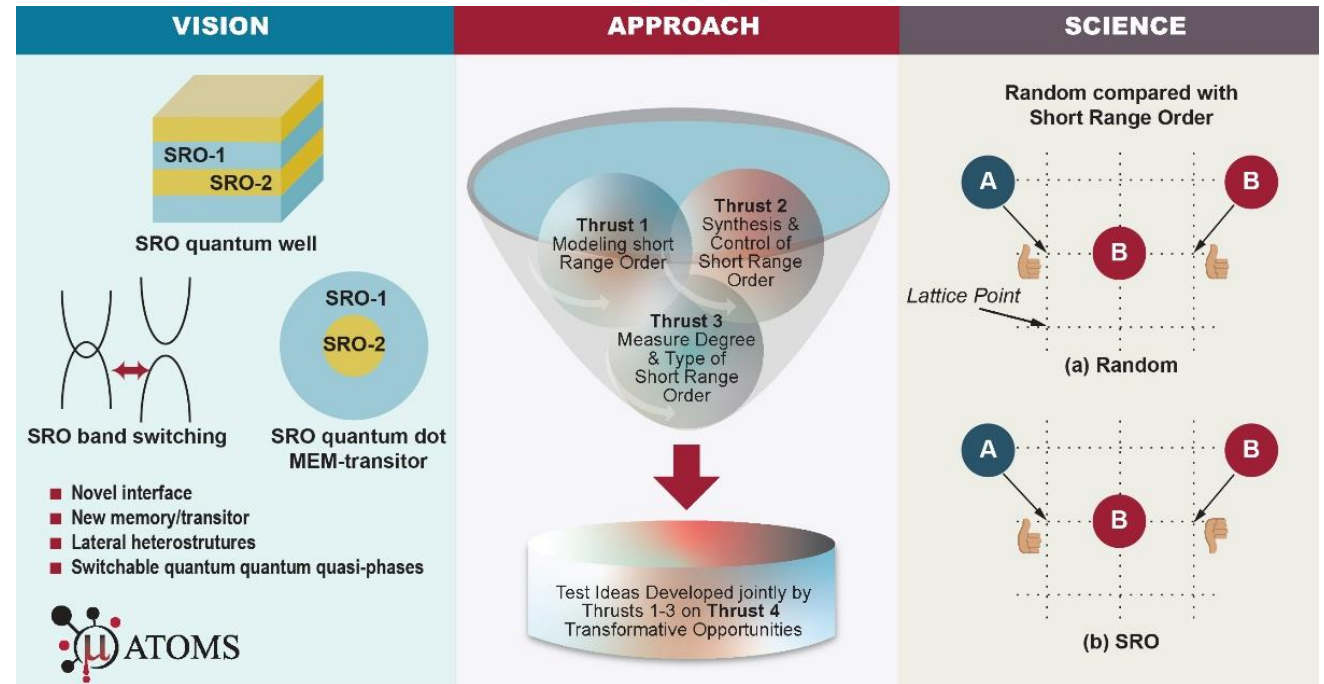
Manipulation of Atomic Ordering for Manufacturing Semiconductors (μ -ATOMS)

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MISSION: To discover the underlying science principles determining the ordering of atoms in semiconductor alloys.

RESEARCH PLAN

μ -ATOMS will model both material and structure to guide fabrication, develop and demonstrating new synthesis tools and techniques, use a suite of new characterization tools to develop the measurement ability, and controlling atomic order in semiconductor alloys for transformative opportunities enabled by the new optical, electrical, quantum, and structure transition properties.



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