European strategy to scale up semiconductor spin qubits

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Recently quantum error correction with logical qubit and operations demonstration has made a leap for reliable and useful quantum computation. As research continues to move the field towards practical applications, the question of scalability becomes pregnant. Semiconductor-based qubits are considered the most promising experimental system for scaling quantum computing. As illustrated through the recently completed QLSI project highlights, we will share how Europe is leveraging its long-standing research expertise and semiconductor ecosystem to lead semiconductor QC and to pave the way to millions of qubits