



## SUBSTRATE MODIFICATIONS TO SUPPRESS CORRELATED ERRORS IN MULTIQUBIT ARRAYS

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### The Invention

UW Madison researchers have developed Qubit arrays having substrates that are engineered to suppress correlated dephasing errors, correlated relaxation errors, or both. The engineered substrates can be used to suppress noise and correlated errors in any qubit array that suffers from charge fluctuations or other noise that creates a non-equilibrium, error-producing state in the qubit array.

### Additional Information

#### For More Information About the Inventors

- [Robert McDermott](#)

#### Publications

- [Read an article about this technology.](#)

#### Tech Fields

- [Information Technology : Hardware](#)

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