

# High-Impact Discovery

- High-Speed Hybrid Switching in Data Centers -

ERC for Translational Applications of Nanoscale Multiferroic Systems (TANMS), based at UCLA – Revolutionary new data storage device represents a breakthrough for the semiconductor industry

*From fundamentals to applications: Top: silicon wafer with memory chips plus close-up of individual bits; bottom right: cross-sectional image of multilayer structure used in memory elements; bottom left: smart phones with radically longer battery life exemplify the low-power systems this technology could enable*

