Call for papers

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Quantum Materials for Energy- Efficient Computing

A significant portion of electricity consumption in the United States is due to the usage of computers. Quantum materials—an emerging term referring to the materials (e.g., topological insulators) with peculiar electric properties—hold great potential for becoming crucial components of future generations of computers, which will be significantly more energy-efficient. This special topic covers various state-of-the-art computational techniques such as density-functional theory calculations that provide deeper understanding of quantum materials and accelerate their discovery.

Original research papers should be 3,000-6,000 words with up to 8 figures maximum; review papers should be 6,000-10,000 words with up to 15 figures maximum.

Detailed author instructions are available at: http://www.tms.org/AuthorTools/

Keywords for this topic: Computational Materials Science & Engineering; Electronic Materials; Energy

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