

## UNDERSTANDING LIGHT-INDUCED SUPERCONDUCTIVITY

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Since its first observation in 2011, light-induced superconducting-like behavior at high temperatures has captured the imagination of quantum materials researchers. I will report very recent theoretical progress toward a microscopic understanding of resonantly enhanced superconducting pairing in  $K_3C_{60}$  crystals. I will discuss experimentally testable predictions of the proposed mechanism and its implications for the long-term goal of light-stabilized superconductivity at room temperature.

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2:00 PM

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