

**Friday, November 12, 2021**

**4:10 – 5:00 PM**

**Barnard Hall 103**

## **The Key Symmetries of Superconductivity**

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### **Abstract:**

Research in superconductivity has intensified recently, fueled by the promise of new quantum Majorana particles. Key to this are the symmetries of the superconducting state. In this talk, I will discuss the central role of time-reversal and inversion symmetries in stabilizing superconductivity and the unusual physical properties that arise when these symmetries are broken. The emphasis will be on the nature of the two-electron bound states, that is the Cooper pairs, that underlie superconductivity.

Host: Anton Vorontsov

*\* Refreshments served in the Barnard second floor atrium at 3:45 \**