Metal Nanowires from CNT Templates

- Investigating the electrical properties of one dimensional metals
- Wires fabricated by metal deposition on carbon nanotubes (CNTs)
  - Silicon with oxide and nitride layer substrates
  - Etched trenches undercut for electrical isolation
  - Nanotubes grown across trenches by chemical vapor deposition
  - Metal evaporated or sputtered on CNTs
- Current measurements deal with magneto resistance, metallicity, and superconductivity of wires

User: Thomas Tombler, Stanford University
Principal Investigator: Hongjie Dai, Stanford University
NNUN Site: Stanford University
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