**Electrodeposition of Multilayered Co/Cu Nanowires**

Liwen Tan, Bethanie J. H. Stadler, Chris Leighton, Paul Crowell

Electrical and Computer Engineering, Physics
Chemical Eng and Materials Science, University of Minnesota

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**Motivation:**

- Measure Giant Magnetoresistance in Co/Cu Nanowires
- Understand Reversal Mechanisms

**Experiment:**

- Fabricate multilayered Co/Cu nanowires in ordered alumina template
- Control the thickness of Co and Cu layers and crystallography of Co layers
- Study the temperature and thickness dependence of GMR in multilayered Co/Cu nanowires

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**Results:**

GMR of Co(5nm)/Cu(5nm) multilayered nanowire at room temperature

Experimental data of reversal angular dependence, together with temperature and perpendicular magnetization data, is enabling the various theoretical mechanisms of reversal in 1-D systems to be verified.

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