

Supporting Information

Domain Configurations in Co/Pd and $L1_0$ -FePt Nanowire Arrays with Perpendicular Magnetic Anisotropy

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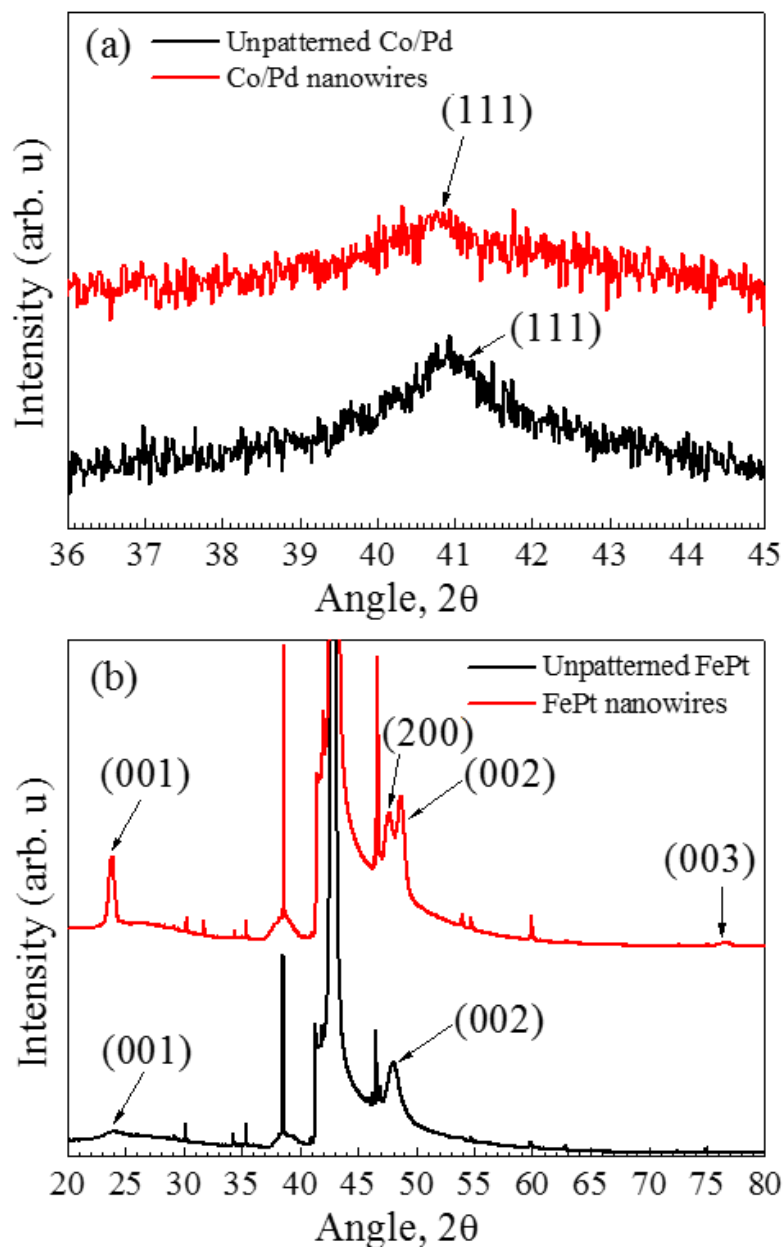


Figure S1: XRD spectrum of (a) Co/Pd before and after BCP patterning (b) $L1_0$ -FePt before and after BCP patterning. The unlabelled sharp peaks in (b) are inherent to the MgO substrate.

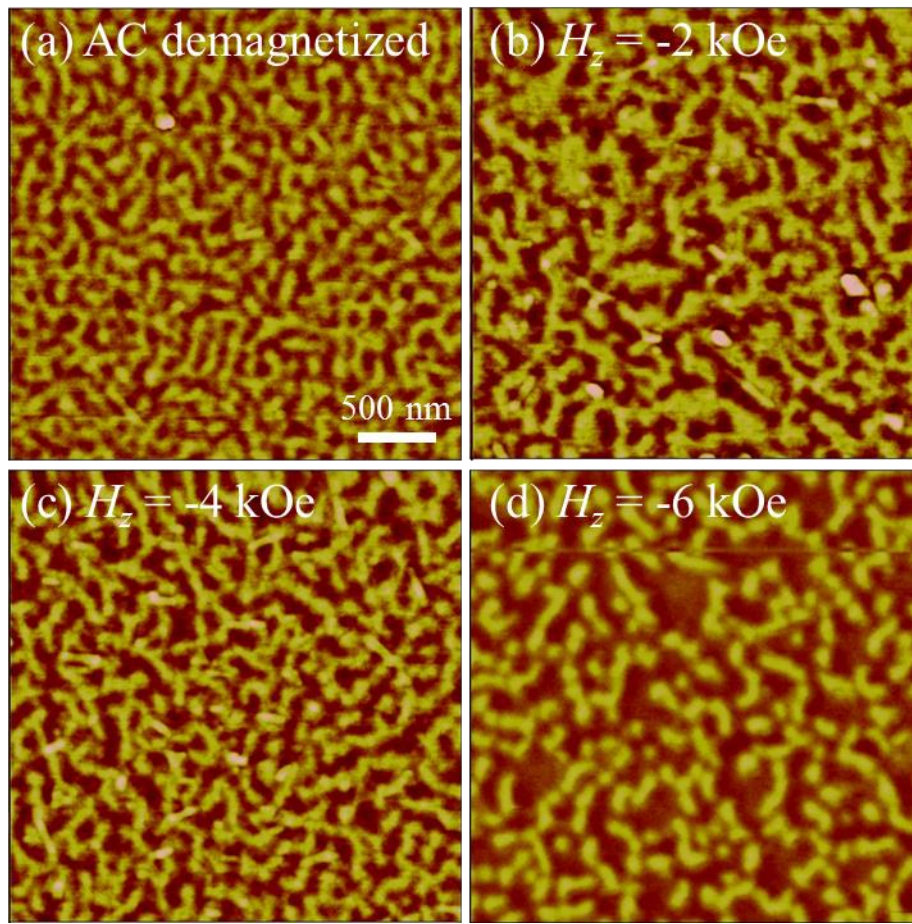


Figure S2: MFM images of unpatterned $L1_0$ -FePt (a) after ac-demagnetization and (b-d) at remanence after an applied field of $H_z =$ (b) -2, (c) -4, and (d) -6 kOe. Red and yellow contrast in the MFM images indicate 'up' and 'down' magnetization, with the red domains favored by the negative applied field.