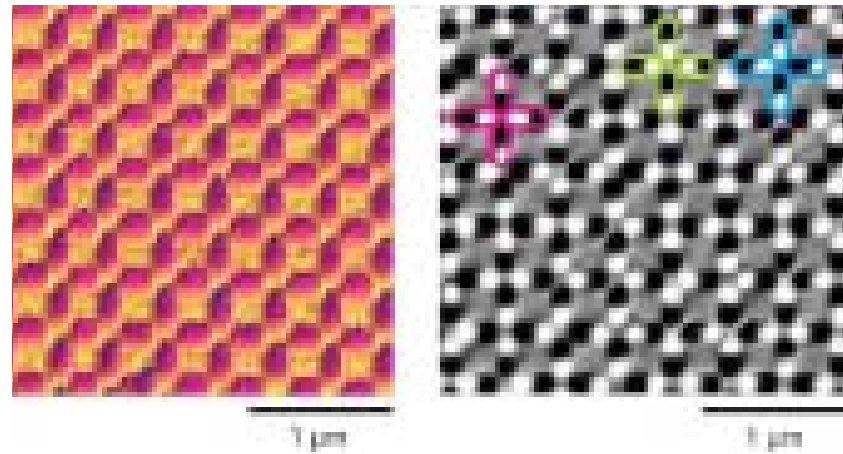


Artificial 'Spin Ice'

R. F. Wang, C. Nisoli, R. S. Freitas, J. Li, W. McConville, B. J. Cooley, M. S. Lund, N. Samarth, C. Leighton, V. H. Crespi, and P. Schiffer, *Department of Physics, Penn State University, and Department of Chemical Engineering and Materials Science, University of Minnesota*



AFM (left) and MFM (right) of permalloy array with lattice spacing of 400 nm showing single-domain ferromagnetic character of islands and distribution of lattice moments