"Microwave assisted switching of single domain NiFe elements"

A group of our collaborative research center succeeded to demonstrate micro-wave assisted switching of single domain magnetic elements. The magnetization dynamics was measured using time and spatially resolved magneto-optic Kerr effect (MOKE). It was shown that in 2 nm thick hexagonal NiFe elements with a lateral size of 1 micron the ferromagnetic resonance allows to trigger magnetic reversal in significantly reduced magnetic fields.