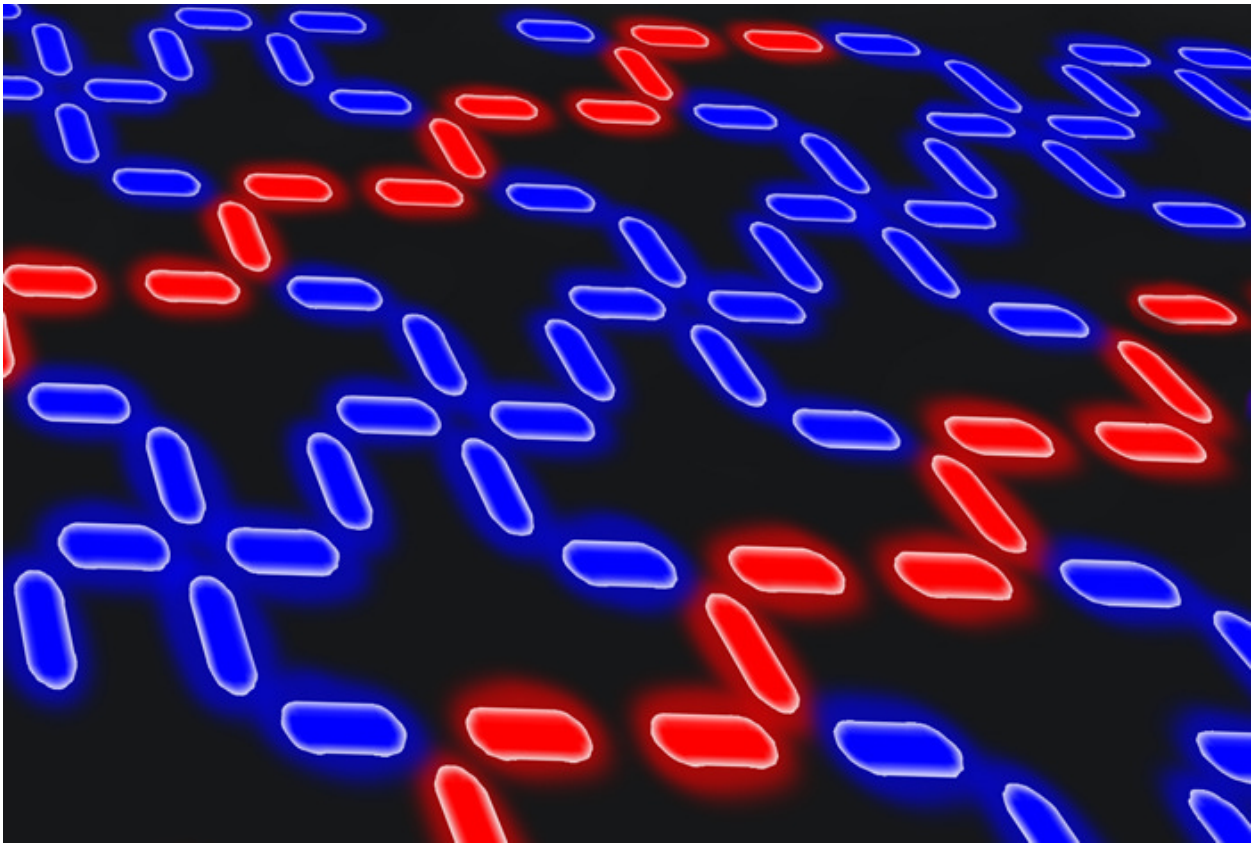
Tiny magnets could work in sensors, information encoding

November 1, 2015



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"Each nano-island is similar to a refrigerator magnet, with a north and a south pole at its tips," said Los Alamos physicist Cristiano Nisoli. "Unlike a refrigerator magnet, however, it can change its magnetization by flipping north and south, through use of either applied fields or thermal fluctuations. But because these islands are brought together, they interact, and this interaction induces a collective behavior that can be exploited for emergent properties."

October 27, 2015 by Nancy Ambrosiano