Hamburg Photon Science Colloquium

THE EMERGENCE OF MAGNETIC ORDER OUT OF A NON-EQUILIBRIUM STATE

THEO RASING

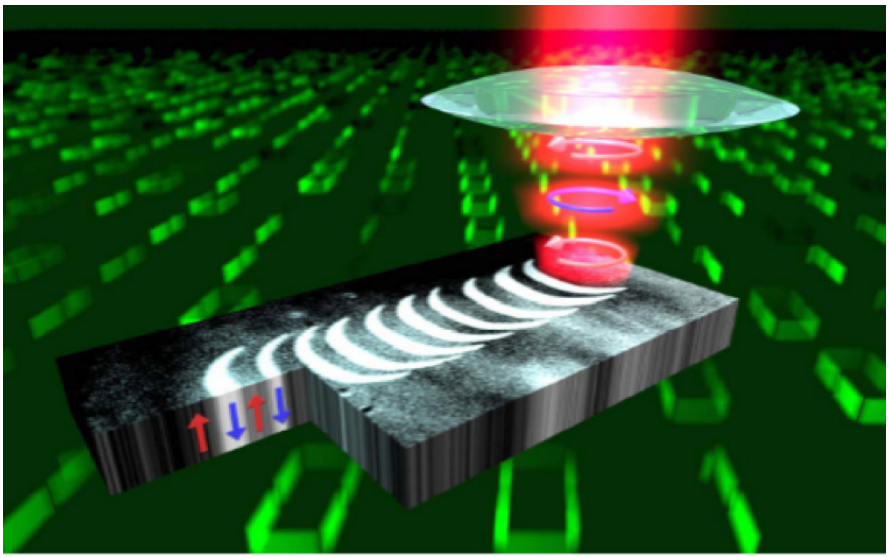
Radboud University,
Institute for Molecules and Materials,
Nijmegen, Netherlands

The manipulation of magnetism by ultrashort laser pulses is a fundamentally challenging research area with a potentially high impact for energy efficient data storage. In ferrimagnets, fs-laser induced switching appears to go via a highly non-equilibrium state, exploiting the antiferromagnetic exchange interaction between sub-lattices. Fs-X-ray experiments and atomistic simulations reveal the importance of nanoscale chemical and magnetic inhomogeneities for non-local transfer of angular momentum.

FRIDAY,
06.07.2018

2:00 PM

CFEL
SEMINAR ROOMS I-III



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