

Séminaire au CEMES
Lundi 14 mai à 11h00 salle du conseil

LOW FREQUENCY NOISE IN MAGNETIC TUNNEL JUNCTIONS

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During last few years interest has been grown to noise studies as essentially new instrument to obtain information about physical processes in meso and nanostructures. In this talk, after pedagogical introduction about different aspects of the noise in the systems in and out of equilibrium (thermal noise, $1/f$ and shot noise) we will discuss our recent [1,2] results on the noise in epitaxial and non-epitaxial magnetic tunnel junctions as well as perspectives of application of the noise measurements to study spintronic devices.

[1] R.Guerrero, et al., Appl. Phys. Lett., **87** 042501 (2005). (Cond-mat/0609423)

[2] R.Guerrero, et al., Phys.Rev.Lett., **97**, 266602, 2006. (Cond. Mat./0602467)

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