

**Dottorato di Ricerca in Fisica dell'Università degli Studi di Messina**  
5 Dicembre 2011, ore 15.00, Sala Seminari IPCF-CNR  
V.le F. Stagno d'Alcontres 37, S. Agata, Messina

Seminar title:

**Magnetically induced birefringence in magnetic nanoparticles suspensions**

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#### **Abstract**

In this talk the magnetically induced birefringence method will be shown as a method useful in discrimination between different mineral structures and sizes of magnetic nanoparticles. The basic principles of the technique and its simple experimental realization will be explained. The applicability of the method will be presented for several biomedically relevant systems.