

## COURSE

### Magnetic Resonance in Nanostructures

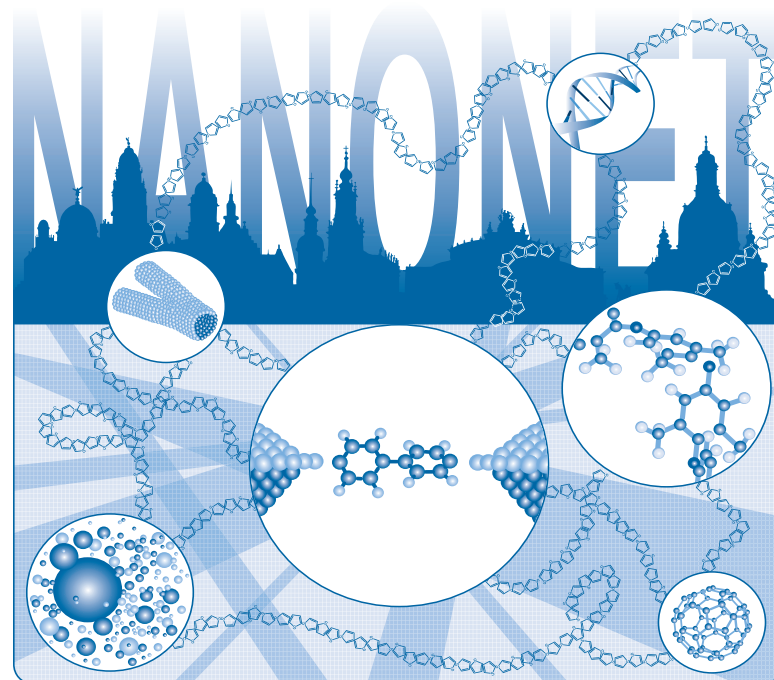
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Helmholtz-Zentrum Dresden-Rossendorf

Dates: **16-17 June 2014**

Time: Monday, 16.06.2014; 09:15 - 12:45  
Tuesday, 17.06.2014; 09:15 - 16:45

Place: **Helmholtz- Zentrum Dresden-Rossendorf  
Building 712, Room 138**



#### Abstract

This course gives an overview on magnetic resonance being a phenomenon that is inherently connected with magnetization dynamics in nanostructured magnetic elements. The theoretical background will be reviewed and explained using simple descriptions. We discuss experimental approaches to detect magnetic resonance and show how this method can be adopted to investigate single magnetic nanostructures. The modern approaches comprise the method of microresonators and alternative detection schemes such as optical and electrical detection. A demonstration of detection of magnetic resonance in the lab will be given.

**You are cordially invited to attend the course**

**Register before June 09, 2014**  
[www.ihrs-nanonet.de/magnetic](http://www.ihrs-nanonet.de/magnetic)