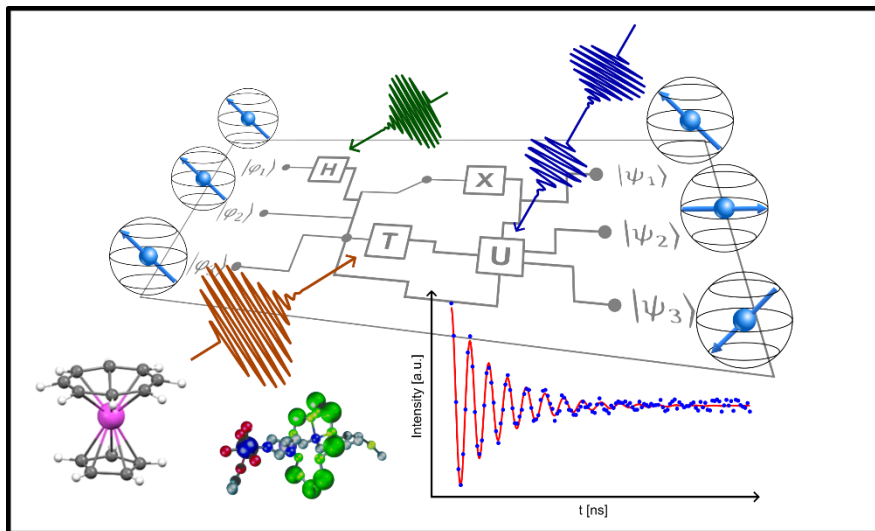


Electron spin for quantum technologies: from molecules to devices



19th May 2023 from 9,00 am to 5,00 pm

Department of Physics Aula C (Via P. Giuria 1, 10125 Torino)

The second quantum revolution entails harnessing quantum effects to develop useful tools and devices. The intrinsic magnetic moment of the electron, a property called “spin”, represents a promising platform to implement quantum technologies. The electron spin is intrinsically a two-level quantum system that can be efficiently manipulated by electromagnetic radiation. With this colloquium we wish to bring together national and international researchers that are tackling this topic from different perspectives ranging from chemistry to physics and materials science. The aim is to discuss the latest results and opportunities.

Confirmed speakers:

- Roberta Sessoli, UniFi
- Eric McInnes, University of Manchester
- Marco Fanciulli, UniMib
- Stefano Carretta, UniPr
- Marco Genovese, INRIM
- Jacopo Forneris, UniTo
- Enrico Salvadori, UniTo

Attendance is free, but you are required to register at the link

<https://forms.gle/xhYBTupesd5KNB7HA>

Slots for oral contributions are available. If interested please contact the organisers.

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