

Masterclass on “Molecular Magnetism”

<https://www.ak-rentschler.chemie.uni-mainz.de/masterclassmolmag/>

Class venue: MAINZ Seminar Room (room 03.122) Staudingerweg 9, 55128 Mainz

Organization: Eva Rentschler, Christoph Gamer, Lara Völker (all JGU Mainz)

Monday January 22

- 9-9:30 am Welcome (E. Rentschler)
9:30-11 am Introduction on the electronic structure of metal ions (A. Cornia)
11-12 am Introduction on EPR spectroscopy (R. Sessoli)
Lunch: student restaurant (campus JGU)
1-3:30 pm Technical & practical training on EPR (R. Sessoli, E. Rentschler)
3:30-5 pm Single-ion anisotropy (A. Cornia)
6 pm Dinner: Weinhaus Michel (Jakobsbergstraße 8, 55116 Mainz)

Tuesday January 23

- 9-10:30 am Magnetic characterization by SQUID and torque methods (R. Sessoli)
10:30-12 am Exchange interactions (A. Cornia)
Lunch: student restaurant (campus JGU)
1-3 pm Practical training on magnetic analyses (R. Sessoli, A. Cornia)
3-5 pm Introduction to spin dynamics (R. Sessoli)

Please note: For all practical trainings, you are requested to bring your own laptop on which you have installed Excel or Origin.