

LECTURE

Dr Jerzy Krzystek

National High Magnetic Field Laboratory (MagLab)
Florida State University, Tallahassee, USA

will deliver a lecture titled:

Non-resonant high-field methods

DATE: Tuesday, 11 June 2019 | 10.00

VENUE: CNBCh UW, seminar room 0.37

ABSTRACT:

Non-resonant high-field research generally strives to achieve highest possible magnetic field without much concern for its quality. I will start with presenting technologies applied to construct magnets generating increasingly higher fields, currently reaching thousands of teslas, although more routinely applied at the level of 100 teslas. I will then cover some applications of those fields in the area of materials science, which is mainly materials/solid state physics.



Activity at Home University:

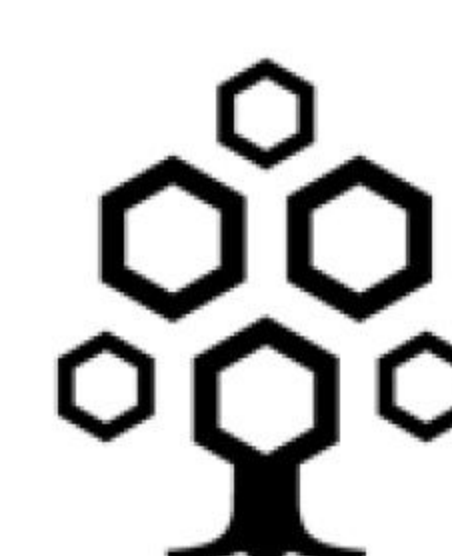
Research Faculty III at the MagLab (equivalent to Full Research Professor at FSU)

Research field:

Electron Spin/Paramagnetic Resonance at (very) high frequencies and magnetic fields (HFESR/EPR); Far-Infrared Magnetic Spectroscopy (FIRMS).

Research interest and experience:

Coordination chemistry of transition metals from the perspective of (a) catalytic activity, (b) bioinorganic chemistry and (c) single-molecule magnetic properties.



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