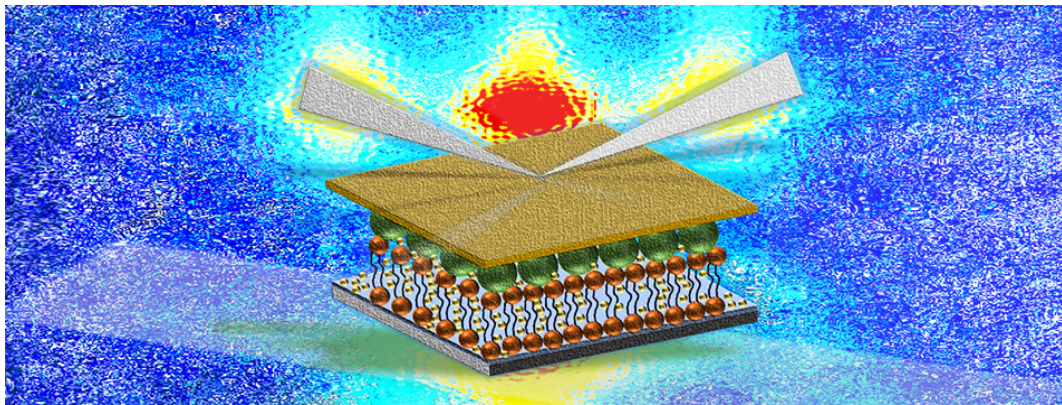


Session Program

Oct 8 - 11, 2024



JCNS Workshop 2024, Trends and Perspectives in Neutron Scattering: Functional Interfaces

Functional magnetic thin films and heterostructures

Evangelische Akademie Tutzing
Schloßstraße 2+4, 82327 Tutzing, Germany

Wed, October 9

10:30 AM

Functional magnetic thin films and heterostructures

Session | **Location:** Evangelische Akademie Tutzing, Schloßstraße 2+4, 82327 Tutzing, Germany

10:30 – 11:00 AM

Magnetic Nanocaps: Impact of Curvature on Structural and Magnetic Properties of Thin Films

Speaker

Asmaa Qdemat

11:00 – 11:30 AM

Functionality from topological insulating films and interfaces: electronic, magnetic, thermoelectric

Speaker

David Cortie

11:30 – 11:45 AM

Unveiling the mechanisms of hydrogen induced phase transitions in nickelate films

Speaker

Laura Guasco

11:45 AM – 12:00 PM

Magnetic correlations in ion implanted metamaterials probed by neutrons

Speakers

Ms Christina Vantaraki, Prof. Max Wolff, Vassilios Kapaklis

12:00 – 12:15 PM

Hydrogen absorption and spin reorientation in Pt/Co/Pt and Pd/Co/Pd

Speaker

Sabine Puetter

12:15 PM

Fri, October 11

10:15 AM

Functional magnetic thin films and heterostructures

Session | **Location:** Evangelische Akademie Tutzing, Schloßstraße 2+4, 82327 Tutzing, Germany

10:15 – 10:45 AM

Magnetic chirality in superconducting/ferromagnetic heterostructures: insight via polarized GISANS

Speaker

Dr Annika Stellhorn

10:45 – 11:15 AM

Polarized neutron reflectometry on vertical and lateral magnetic domains in thin films

Speaker

Thomas Saerbeck

11:15 – 11:30 AM

Molecular Beam Epitaxy at JCNS for precise interface control in heterostructures and nanostructures

Speaker

Connie Bednarski-Meinke

11:30 – 11:45 AM

Structural, magnetic and electrical properties of oxygen-deficient $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-\delta}$ thin films

Speaker

Oleg Petravic

11:45 AM – 12:00 PM

Investigation of the structural and magnetic properties of the interface in $\text{Fe}_3\text{O}_4/\text{TiO}_2\text{-Nb:STO}$ heterostructures

Speaker

Yifan Xu

12:00 PM