

First ERC Group Workshop: Nanoelectrochemistry meets Magnetism

TU Chemnitz, Straße der Nationen 62, Chemnitz

Wednesday, 24.04.2024

Time	room	Topics	Speaker
09:00 – 09:30	1/367	Introduction and overview about magneto-ionics	Karin Leistner
09:30 – 10:15	1/367	Electrochemical synthesis and magneto-ionic control of magnetization and magnetoresistance of iron-based thin films and 3D nanostructures	Martin Nichterwitz
10:15– 10:45	1/367	Coffee break	
10:45 – 11:15	1/367	Electrochemical control of magnetism of Fe-Ni alloys	Anna Ullrich
11:30 – 12:30	1/367	Voltage control of magnetism at Co/electrolyte interface	Philippe Allongue
12:30 – 13:30		Lunch	
13:45 – 14:15	1/367A	Tuning perpendicular magnetic anisotropy via hydrogen concentration	Markus Göbller
14:15 – 14:45	1/367A	Optimization of Co/Pd-based multilayers for hydrogen magneto-ionics	Felix Engelhardt
15:30 – 16:30	1/367A	About the oxygen evolution reaction (OER) at electrodeposited $\text{Co}_3\text{O}_4(111)$ epitaxial layers	Philippe Allongue
16:45 – 17:45		Open discussion and Lab tour	
17:45 – 19:00		City tour	
19:00		Dinner	

Thursday, 25.04.2024

Time	room	Topics	Speaker
09:00-09:30	1/367	Structured electrodeposition of Cu in micrometer-sized magnetic field gradients	Francesca Sgarbi Stabellini
09:30 – 10:00	1/367	Magnetization reversal in $\text{Fe}_{80}\text{Ni}_{20}$ nanodots	Shashank Honnali
10:00– 10:30	1/367	Coffee break	
10:30 – 11:00	1/367	Epitaxial growth and magnetism of electrodeposited FeOx/Fe/GaAs(001)-films	Danny Quint
11:00 – 11:30	1/367	Thickness-dependent magneto-ionic effects in Fe thin films	Markus Göbller
11:30 – 13:00		Lunch	

Interested students and scientists are invited to join.



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