

E-MRS Thesis Competition schedule

22nd September 10:30 - 13:00 (Warsaw Time Zone, UTC+2)

Lp.	Surname	First name	Title
1.	KELCHTERMANS	An-Sofie	Optimization of cathode materials for solid state batteries by insights into the interaction between cathode and solid electrolyte
2.	VÁZQUEZ LÓPEZ	Antonio	Tin and titanium oxide nanostructures and their PEDOT:PSS-based composites: applications in solar cells, thermoelectrics and gas sensors
3.	TOIGO	Christina	Towards eco-friendly batteries - concepts for lithium and sodium ion batteries
4.	RANJAN	Christine	Multifunctional ionic liquid materials for catalysis and energy storage
5.	CHIRCOV	Cristina	Magnetic materials for diagnostic and treatment applications
6.	MANCARELLA	Cristina	Plasmonic nanostructured metamaterials with modulation of electrical and optical properties
7.	BAUTISTA QUISBERT	Edgar	Effect of high voltage cycling on the electrochemical behavior of LiNiO ₂
8.	KUKUSHKINA	Ekaterina A.	Development of multi-component antimicrobial nanomaterials providing synergistic bioactivity, fighting antimicrobial resistance
9.	ENEA	Nicoleta	PEROVSKITE MATERIALS OBTAINED BY LASER TECHNIQUES IN RADIATION FIELD
10.	LO PRESTI	Francesca	Engineering of New "Third Generation" Single Precursors for Chemical Vapor Deposition Processes
11.	DUAN	Juanmei	Optical properties and optoelectronic applications of heavily doped GaAs and MoSe ₂ /FePS ₃ van der Waals heterojunctions
12.	.	Jyoti	Electrochemical chemosensing of pharmaceuticals using molecularly imprinted polymers
13.	DEY	Krishanu	Mixed lead-tin perovskites for electronic and optoelectronic applications
14.	WILLIAMSON	Kyran	Investigation of metal carbonates for cost-competitive thermal batteries
15.	LINDENTHAL	Lorenz	Surface Modification by Nanoparticle Exsolution for Increased Catalytic Performance of Novel Perovskite Catalysts
16.	CAVINATO	Luca Maria	Development of sustainable graphene-based light-emitting electrochemical cells
17.	SHARMA	Manas	Modeling the nonlinear optical response of functionalized surfaces
18.	REALE	Marco	Photophysics of Carbon Nanohybrids
19.	NAVARRO SEGARRA	Marina	Biodegradable and tailor-made batteries, an energy source for sustainable development
20.	GUERBOUB	Mohammed	Nuclear quantum Effects and magneto-electronic patterns of hybrid and disordered materials: Insights and design via first-principles MOlecular dynamics (NEMO)
21.	ASLAN	Neslihan	Neutron spectroscopy of lithium borohydride-amide
22.	MACHADO	Pamela	All-oxide photovoltaics by cost-efficient chemical routes
23.	DELCOMPARE RODRÍGUEZ	Paola Andrea	A theoretical study of ultrathin space charge layers in hematite photoelectrodes
24.	KAMIŃSKA	Paulina	Development of thermoelectric materials based on copper sulphides
25.	GRIECO	REBECCA	Synthesis of conjugated porous polymers with large surface area and redox-active and electrically conducting groups
26.	KAVANAGH	Seán	Hidden spontaneous polarisation in the chalcogenide photovoltaic absorber Sn ₂ SbS ₂ I ₃
27.	BICHELMAIER	Sebastian	Ab-initio modelling of thermo- and electric material properties using elements of artificial intelligence
28.	KUMAR	Sumit	1d nanostructures based on II-VI semiconductors
29.	KIM	Sungjun	Artificial synaptic device based on ferroelectric polymer
30.	HOSSAIN	Syed Imdadul	NANOANTIMICROBIAL FILMS: DEPOSITION, CHARACTERIZATION AND EVALUATION OF THEIR BIOACTIVITY PROPERTIES, INCLUDING ION AND NANOPARTICLE RELEASE
31.	TANDAVA	VSRK	Advanced Catalyst Materials and Systems for Electro conversion of CO ₂
32.	TEZCAN	Gozde	Local Delivery and Monitoring of Permeation Enhancer to a Single HeLa Cell Using Scanning Ion Conductance Microscopy (SICM)
33.	LIU	Yujia	Isotope engineered ²⁸ SiGe heterostructure for quantum circuits
34.	CHEONG	Oskar	Deciphering electrochemical reactions at the electrode-electrolyte interface: an atomistic perspective
35.	OYAKHIRE	Solomon	Understanding and Controlling the Electrodeposition of Lithium Metal Using Atomic Layer Deposition