ORIENTATION & TRAINING WORKSHOP | 18-23 October 2026

University of Cyprus (UCY), Nicosia, Cyprus

Amphitheatre "Andreas Alexandrou", Building: POL010 - B101

Faculty of Engineering Buildings-New Campus, Nicosia (https://maps.app.goo.gl/XnsRxWF5iVDkeR376)

Sunday, 18 October | Welcome & Network Introduction		
16:00-19:00	Welcome Reception, Registration & Informal Networking *Registration, welcome and informal networking among MGICIAN participants.*	UCY-Team
Monday, 19 October | Network Orientation & Thermoelectric Fundamentals		
Moderator: Prof. Dr. Theodora Kyratsi		
09:00-09:30	**MGICIAN Welcome, Opening Remarks & Scientific Introduction** *Introduction to the MGICIAN Network & Mg-Based Thermoelectric Materials & Modules*	Prof. Dr. Kornelius Nielsch
09:30-09:50	**MGICIAN Research Programme** *Objectives, Milestones & DC Interactions*	Dr. Jamil Ur Rahman
09:50-10:20	**Meet the MGICIAN PIs** *Introductions & Roles within the Network*	MGICIAN PIs
10:20-10:45	**Meet the MGICIAN Doctoral Candidates - Part I** *Backgrounds, Research Projects & Network Connections*	DC1-DC7
10:45-11:10	**Coffee Break & DC Poster Session** *Informal Discussions & Networking*	
11:10-11:35	**Meet the MGICIAN Doctoral Candidates - Part II** *Backgrounds, Research Projects & Network Connections*	DC8-DC15
11:35-12:05	**MSCA-DN & MGICIAN Orientation** *DC Roles, Training, Mobility & Network Participation*	Dr. Jamil Ur Rahman
12:05-12:50	**Thermoelectric Physics I** *(Core Training)* *Fundamentals & Key Concepts*	Prof. Johannes de Boor
12:50-13:45	**Lunch Break & DC Poster Session** *Informal Discussions & Networking*	
13:45-14:30	**Thermoelectric Physics II** *(Core Training)* *Transport & Thermoelectric Properties*	Prof. Johannes de Boor
14:30-14:45	**Coffee Break & DC Poster Session (Group Photo)** *Informal Discussions & Networking*	
14:45-15:30	**Thermoelectric Physics III** *(Core Training)* *Materials, Performance & Applications*	Prof. Johannes de Boor
15:30-17:30	**Laboratory Health & Safety Induction** *Essential safety requirements for laboratory activities*	A. Yiangou, S. Sophroniou
20:00-20:15	**DC Representative (DCR) & Deputy DC Representative (DDCR)** *Election of DC representatives for the MGICIAN network.*	All DCs / Coordinator
20:15-22:00	**MGICIAN Network Dinner & Informal Networking** *Informal networking among DCs, supervisors and partners.*	All Participants
Tuesday, 20 October | Materials Development & Synthesis		
Moderator: Dr. Elsa M. S. B. Lopes		
09:00-10:00	**Materials Development & Optimisation Strategies** *(Core Training)* *Strategies for developing and optimising high-performance thermoelectric materials*	Prof. Johannes de Boor

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10:00-11:00	**Thermoelectric Materials** *(Core Training)* *Overview of key materials, current challenges & emerging opportunities*	Prof. Johannes de Boor
11:00-11:30	**Coffee Break**	
11:30-12:30	**Synthesis of Thermoelectric Materials** *(Core Training)* *Overview of key synthesis and processing methods for preparing thermoelectric materials*	Prof. Antonio Pereira Gonçalves
12:30-13:30	**Lunch Break**	
Moderator: Dr. Jamil Ur Rahman		
13:30-14:30	**Consortium/PI Meeting & DC Networking Discussion** *Project Coordination, Consortium Updates & Interactive Discussion with DCs*	PIs / DCs
14:30-15:00	**UCY Laboratory Tour & Facilities Introduction** *Introduction to research laboratories, facilities & equipment*	UCY-Team
15:00-17:00	**Hands-on Laboratory Training** *(Practical Training)* *Materials Synthesis*	Theodora / UCY Team
Wednesday, 21 October | Materials Characterisation		
Moderator: Dr. Olga Caballero		
09:00-10:30	**Materials Characterisation** *(Core Training)* *Training in structural and microstructural characterisation techniques (XRD, SEM/EDX & TEM)*	Dr. Kyuseon Jang
10:30-11:00	**Coffee Break**	
11:00-12:30	**Advanced Materials Characterisation Techniques** *(Core Training)* *Structural, microstructural and thermoelectric characterisation*	Prof. Antonio Pereira Gonçalves
12:30-13:30	**Lunch Break**	
13:30-14:00	**Characterisation Facility Safety Briefing** *(Mandatory for hands-on participation)*	UCY-Team
14:00-17:00	**Hands-on Laboratory Training** *(Practical Training)* *PXRD, SEM/EDX & TEM - Group I*	Prof. Theodora Kyratsi / UCY Team
Thursday, 22 October | TE Properties, Practical Training & Network Integration		
Moderator: Prof. Dr. Antonio Pereira Gonçalves		
09:00-09:45	***p*-type Thermoelectric Materials** *(Core Training)* *State of the art in Mg-based and other p-type thermoelectric materials*	Theo Renard / DLR
09:45-10:30	***n*-type Thermoelectric Materials** *(Core Training)* *State of the art in Mg-based and other n-type thermoelectric materials*	Dr. Ran He
10:30-11:00	**Coffee Break**	
11:00-12:30	**Thermoelectric Properties & Measurement Techniques** *(Core Training)* *Measurement and evaluation of key thermoelectric transport properties*	Dr. Elsa M. S. B. Lopes
12:30-13:30	**Lunch Break**	
13:30-16:30	**Hands-on Laboratory Training** *(Practical Training)* *PXRD, SEM/EDX & TEM - Groups II & III* *Training in structural and microstructural characterisation techniques*	Prof. Theodora Kyratsi / UCY Team
16:30-20:00	**Break**	
Friday, 23 October | Responsible Research, Transferable Skills & Closing		
Moderator: Prof. Dr. Theodora Kyratsi		
09:00-10:15	**Research Integrity & Good Scientific Practice** *Principles of responsible research and good scientific practice (Core Training)*	Dr. P. Ioannou

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10:15-10:30	**Industry Perspective: ETL & MGICIAN (Online) Introduction to ETL and its Role in the MGICIAN Network**	
10:30-10:45	**Coffee Break**	
10:45-11:15	**Open Science, FAIR Data & Research Data Management** *(Core Training)* *Good practices for managing, sharing and preserving research data*	Dr. P. Ioannou
11:15-11:45	**Career Development, Communication & Dissemination** *(Core Training)* *Career planning and effective communication and dissemination of research*	Dr. P. Ioannou
11:45-12:15	**Workshop Reflection, Action Points & Next Steps** *Review of key outcomes, feedback and follow-up actions*	All Participants
12:15-12:30	**Closing Remarks**	UCY-Team
12:30	**End of Workshop**	

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