

MASTER ENERGY ENGINEERING

Nr.crt.	Tema de cercetare	Cadru didactic	Coordonate
1	District heating system based on geothermal heat pumps	Conf. Constantin Ionescu	cristi.ionescu@energy.pub.ro
2	Implementation of an system based on heat pumps for heating and DHW preparation in a low energy building		
3	Solar cells for energy harvesting	S.L.Andrei Drăgulescu	dragulinescu@yahoo.com
4	Materials used in photovoltaic converters		
5	Renewable energy sources utilization in CO ₂ capture technologies	Prof. Cristian Dincă	crisflor75@yahoo.com
6	Life cycle assessment of renewable energy sources		
7	Analysis and sizing of photovoltaic power plants	Prof. Virgil Dumbravă	v_dumbrava@yahoo.com
8	Analysis and sizing of wind farms		
9	Impact of spheres on liquid thin layers	Prof. Corneliu Bălan	corneliu.balan@upb.ro
10	Instability of immiscible liquids in rotational flows		
11	Hybrid energy supply for renewable energy sources integration	Prof. Lăzăroiu George Cristian	cristian.lazaroiu@upb.ro
12	Optimizing power system operation under environmental constraints		
13	Evaluation of environmental externalities in the context of energy production	Conf. Diana Cocârță	dianacocarta13@yahoo.com
14	Circular economy approach for reducing the environmental impact and promoting decarbonisation in the energy industry		
15	The determination of internal impedance of lithium rechargeable batteries	Prof. Danut-Ionel Vaireanu	di_vaireanu@yahoo.co.uk ioanaalinaciobotaru@yahoo.com
16	Comparison of storage efficiency for	S.L. Ioana-Alina Ciobotaru	

	various rechargeable batteries on the basis of charge capacity for		
17	Decreasing the environmental impact by reconditioning NiCd flat batteries used for power tools.		