Poster Session PhD-ELT:

Elenco studenti e tesi di dottorato

Nr	Cognome	Nome	Titolo
1	AGHAHADI	MORTEZA	Temporal alignment framework for cable degradation management in energy transition: physics-based assessment of distributed energy resources
2	AHMAD	SHEHZAD	Modeling and characterization of hybrid energy storage systems oriented to grid integration
3	AN	SICHENG	The impact of electrode placement and electrical conductivity uncertainties on temporal interference stimulation
4	ANDREOTTI	DIEGO	Battery energy storage systems modeling for applications on power systems and electricity markets
5	BELLOMO	MICHELE	Statistical and machine learning methods for sequences and time series with energy application
6	BOCEDA	ANGELO	Torsional vibration in electrical drives
7	BORGOSANO	SOFIA	Innovative methods for sustainable mobility applied to the transport sector
8	CAFARELLI	LORENZA	Flexibility services of electric vehicles for distribution planning
G	CAMINITI	CORRADO MARIA	Architectures for electrification in rural areas
10	CASIRAGHI	ALESSANDRA	Stability analysis of power grids with converter-interfaced sources
11	DACCO’	EDOARDO	Evolution of urban energy systems: procurement of local flexibility services, new solutions for the advanced monitoring and observability of networks to increase grid resilience
12	DE BARDI	ERIKA	Enabling cybersecurity technologies for the energy transition: from smart grids to electric vehicles as distributed energy resources
13	DEMETRIO	ADRIANO	Innovative methods for the characterization and modeling of power system, transducers for power quality monitoring
14	DEPONTI	MATTEO	Fault detection and control of permanent magnet machines with stator internal faults
15	DHINGRA	SALONI	Quantile-based short-term probabilistic forecasting of solar PV power under data loss
16	DI MARTINO	ANDREA	Fleet management 5.0 in sustainable mobility: implementation, validation and planning optimization

17	DOOSTINIA	MEHDI	Methods for the integrated planning and operation of energy and data networks in urban districts
18	FERRABOLI	FRANCESCO	Advanced methods for the optimal management of the electrical grids
19	FIGONI	ISACCO	Electromagnetic modelling for tripolar submarine cables
20	FRATELLI	DAVIDE	Techniques for distribution network planning
21	GAMBELLI	LORENZO	Isolated and non-isolated multilevel converter topologies for auxiliary power converters an battery energy level storage for railway application
22	GRANDE	ALESSANDRO	EMC in electronic devices for measurements and protections in low-voltage electrical grid
23	GUO	QUANXI	Optimization model combining SINDy and neural network
24	HADDADI VAIGHAN	SADEGH	Dynamic equivalent active distribution networks
25	HEIDARI	NARGES	New procedures for the analysis of electromagnetic compatibility and coexistence of modern communication technologies in vehicles and vehicular network
26	HOSSEINI	SEYED ALI	Reinforcement and deep learning techniques for novel quantitative trading models In energy cross-market applications
27	HU	HAIFENG	A data-efficient and multi-objective framework for stitching via optimization in PBC layouts
28	MANSOUR	AHMED NAGY ABDELKHALEK	Enhancing power network selectivity: a machine learning approach to circuit breaker configuration
29	MARTINEZ ESPINOSA	GABRIEL FELIPE	Quantum evolutionary muti-objective optimization in electromagnetics
30	MARTINI	DANIELE	Optimization and innovative methods for sustainable mobility applied to the local public transport sector
31	NASIRI	MOHAMMAD SADEGH	Open-UPQC – the shunt unit
32	NGUYEN	BINH NAM	Direct normal irradiance nowcasting using deep learning networks with all-sky infrared images
33	NORIEGA ZAMBRANO	HOLGUER HUMBERTO	Hybrid energy storage system
34	OLIVA	FRANCESCA	Self-consumption in the energy transition: development of a DC microgrid for power sharing model application
35	OZTURK	SARPER	Modulation techniques for open-end winding machines
36	PERBELLINI	LUCA	Development and application of advanced machine-learning-based techniques in electric transmission systems' planning studies
37	POMARICO	ANDREA	Management of power systems in the presence of significant penetration of renewable sources
38	RANJGAR	BABAK	Geographic information system (GIS) for renewable energy development
39	SALEPTSIS	MARIOS	Decision-focused learning through differentiable optimization for cost-optimal microgrid scheduling

40	SCALABRIN	RICCARDO	Study and development of innovative architectures for power electronics converters
41	SCROCCA	ANDREA	Optimizing flexibility provision by multi-energy microgrids
42	SHAFI	SAQLAIN	Grid services and protection logic implementation of innovative multi-level converters
43	SILVESTRI	FEDERICO	Modelling systems for mobility simulation in complex organizations
44	SIMONINI	ISACCO	Grid forming converters control
45	SOUZA BAQUERO	RAFAEL	Special applications for modular multilevel converters
46	SPILLER	MATTEO	Characterization, sizing and dynamics of BESS in isolated microgrids
47	TANG	RUTING	Cauer ladder network representation of ground return impedances in HVDC cable systems
48	TAROMBOLI	GIULIA	Community-based energy contracts for urban districts decarbonization
49	TESSARO	JURI	Innovative thermal management solutions and modelling techinques for automotive electric drives
50	TRIMARCHI	SILVIA	Orchestrated strategy selection for risk-aware decision making in energy futures trading and energy management systems
51	TRUJILLO ARBOLEDA	CAMILO	Controlled interruption of DC arc in air for high currents
52	ULLAH	ZAHID	Digital twins to improve governance of energy resources and consumption in government real estate: from integrated use of renewables and storage to digital load planning tools
53	VALBUENA GODOY	JULIAN DAVID	Switching and protection in low voltage direct current systems
54	VALPIANI	FEDERICO	Computational intelligence for EM
55	YANG	JINGRAN	EMI analysis in bidirectional V2G system
56	YUFENG	NIU	Aggregation-based algebraic multigrid fixed-point solvers for nonlinear magnetostatic in linear time: scalability testing on TEAM problem 13
57	ZARE	ARAMCHEHR	Electric vehicles: infrastructure system and charging strategies based on renewable energy
58	ZEYNIVAND	MOHSEN	Machine learning (MIL) techniques for modeling electrical systems in industrial applications and energy efficiency monitoring