Rethinking our Energy Future: Collaboration and Integration – Poster List

No	Student Name	Poster Title
1	Federico Caruso	Assessment of power requirement of a waste water pump working under transient conditions
2	Hafiz M. Hashim	Fault Detection and Diagnosis in Water Distribution Systems
3	Dominik Seiler	Characterising the energy dynamics in industrial manufacturing systems
4	Alessia Sgobba	Assessment of on site solar and wind energy at a manufacturing facility in Ireland
5	Anjukan Kathirgamanathan	Data-Driven Models in the Assessment of Energy Flexibility of Commercial Buildings
6	Matteo Giberti	Demand and Response capabilities of small-scale wastewater treatment plants
7	Qipeng Liu	Energy system integration in large-scale wastewater treatment plant (WWTP)
8	Eoin Daly	Energy Consumption in Wastewater Treatment - Comparison of Weather Data and Energy Consumption
9	Sukanya D. Saikia	Modelling Water Energy Nexus in WWTPs under climate change and population growth scenarios
10	Bryan Coyne	The future of data centre cooling, energy consumption and climate change
11	Jaakko McEvoy	Adaptive Liquid Cooling Methods in Microchannel
12	Mohamed Ali Ekhtiari	Modelling of Gas Network in an Interconnected Energy System
13	Aruna Chandrasekar	Increasing the efficiency of gas usage in an interconnected gas and electricity network
14	Devasanthini Devaraj	The future role of gas networks in integrated energy network
15	Junru Chen	Comparison between Virtual Synchronous Generator and Synchronous Generator in Power System
16	Ismail Ibrahim	Provision of Power System Support Services From Distributed Energy Resources
17	Valentin Rigoni	Decentralized solutions for LV networks with Distributed Generation
18	Eadaoin Doddy	An Investigation of Systematic Errors in Solar Radiation for Reanalysis Datasets
19	Seanie Griffin	Wind speed accuracy and wind-solar correlations in renalysis datasets
20	Usman Ali	An Intelligent Knowledge-based Energy Retrofit Recommendation System for Residential Buildings at an Urban Scale
21	Paul Beagon	Characterisation of neighbourhood heat energy demand before large-scale retrofit
22	Mohammad Haris Shamsi	A generalization approach for reduced order modelling of commercial buildings
23	Ran Li	Evaluating Power System Flexibility Needs With Stochastic Unit Commitment Model
24	Dana Kirchem	The potential to harness demand-side flexibilities from large-scale wastewater treatment plants in an integrated energy system
25	Martina Assereto	Volatility modelling using GARCH as an input for real options: the case of solar energy in the U.S.
26	Linda Mastrandrea	Coordinating energy policy and environmental goals across electricity markets: a demand side perspective
27	Vanja Medugorac	Public Engagement with Decentralized Energy Systems
28	Ivan Petrov	Incentives for Energy Efficiency in the Residential Rental Market
29	João M. Correia	Large scale atmospheric circulation patterns and solar energy resources in Ireland and the UK