

Collaborate on impactful research projects and co-author publications, boosting your employability and strengthening your path to a PhD studentship!

Existing ideas for publications:

Large Language Model (LLM) Agent:

1. LLM Agent for Balancing Power System
2. LLM Agent for Making Strategic Report for Power System Operator
3. Edge LLM Agentic Energy Management System
4. Human-in-the-Loop LLM-based Agents

If you want to work on the above topic, please make sure you are familiar with the following tools: LangChain and Camel-AI. Don't just read about them—download some example code and follow tutorials:

[Introduction | !\[\]\(d66ff64371a51729ac8c1cdaa685ba6f_img.jpg\) LangChain](#)

[Welcome to CAMEL's documentation! — CAMEL 0.2.18 documentation](#)

Control and Optimisation:

5. Model Predictive Control with Deep Learning for Wave Energy
6. AI-Driven Energy System Operation and Control
7. Reinforcement Learning for Energy Dispatch

Define the Problem: