

Data-driven process control via reinforcement learning and large language models

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You will develop data-driven methodologies for to control chemical processes by combining reinforcement learning (RL) with large language models (LLM). The aim is to be able to control complex and uncertain processes using RL to learn effective decision-making policies, while leveraging LLMs to integrate prior knowledge, guide exploration, and as a supervisory agent. You will develop and learn programming skills (Python) as well as machine learning and artificial intelligence theory and practice.