Doctoral Landscape Award (DLA) project

Dr Antonio del Rio Chanona

October 2027 start

Distributionally robust Bayesian reinforcement learning for process systems

Development of reinforcement learning methods that can make safe and reliable decisions under uncertainty, distribution shift and limited data.

This project will combine Bayesian learning, robust optimisation and reinforcement learning to create controllers and decision-making systems that remain effective when real processes behave differently from their models or training data.