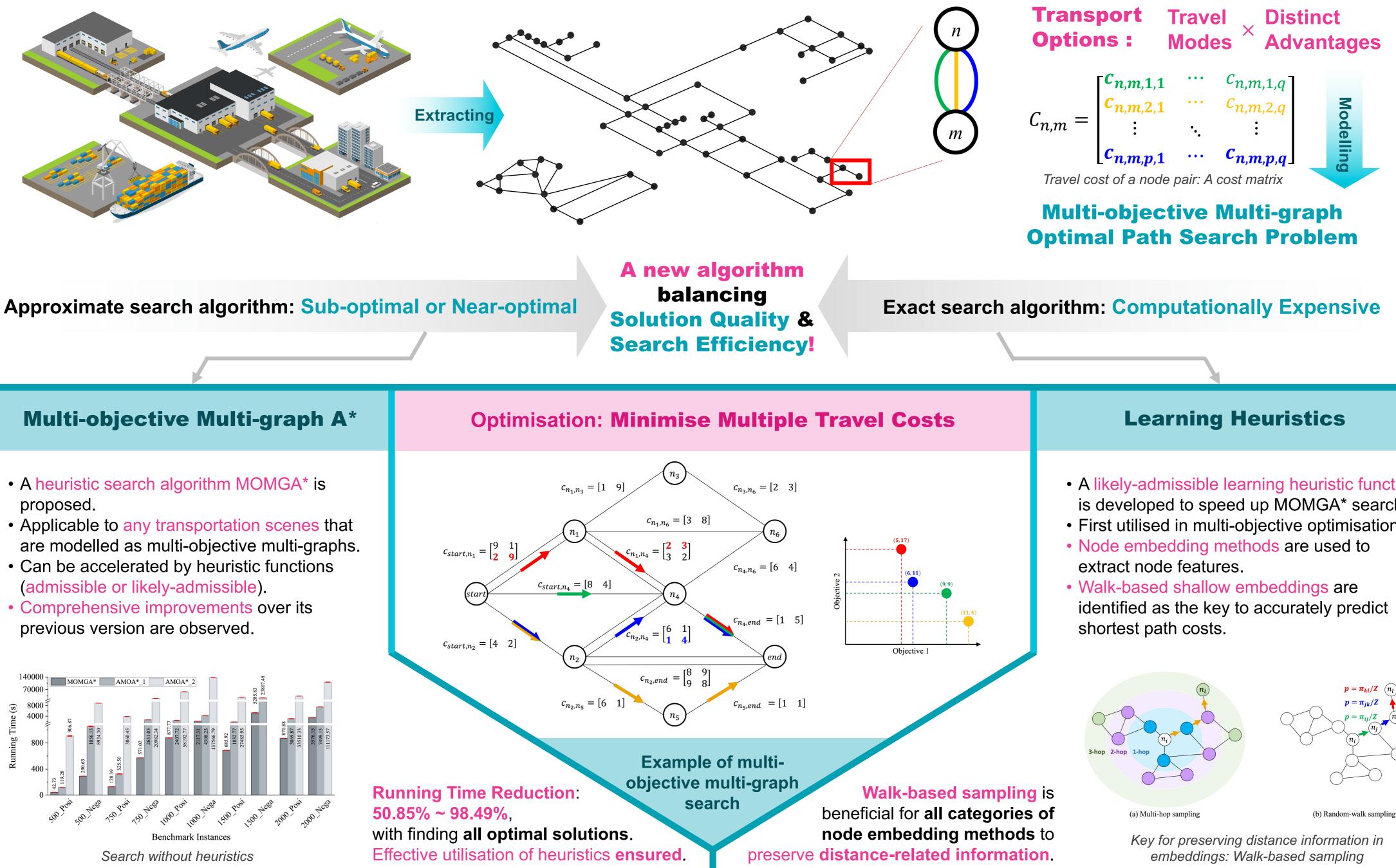
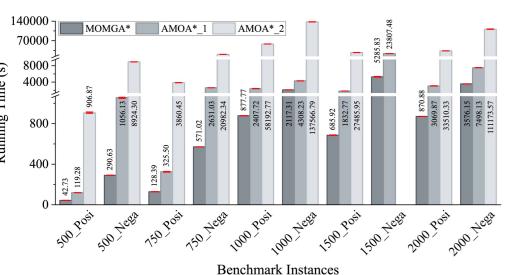
MOMGA*: Empower Urban Transport for a **Greener and Smarter Future**

Songwei Liu, Jun Chen, Michal Weiszer, Xinwei Wang Queen Mary, University of London



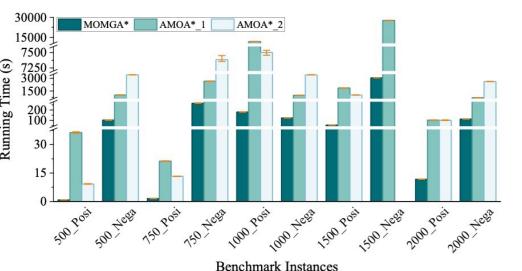


 A likely-admissible learning heuristic function is developed to speed up MOMGA* search.

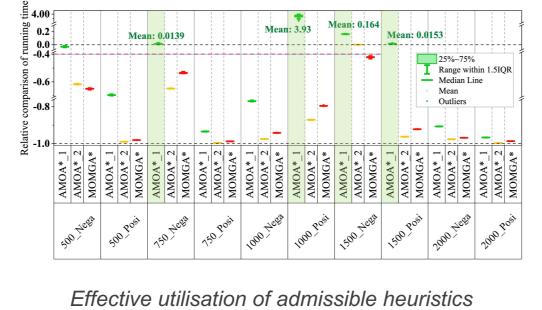
Queen Mary NATS

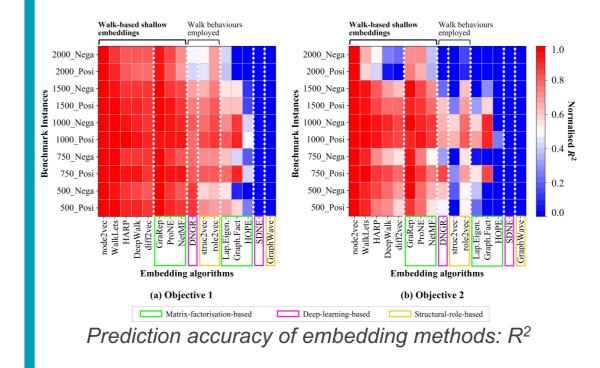
- First utilised in multi-objective optimisation.

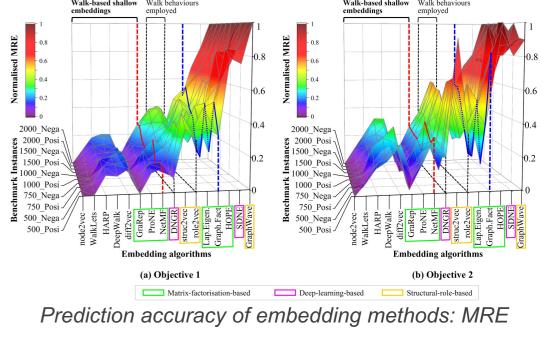
(b) Random-walk sampling



Search with admissible heuristics





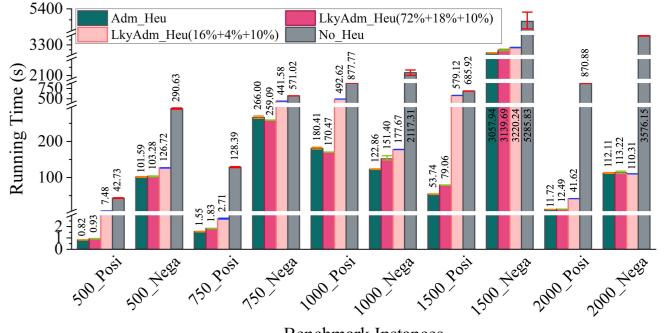


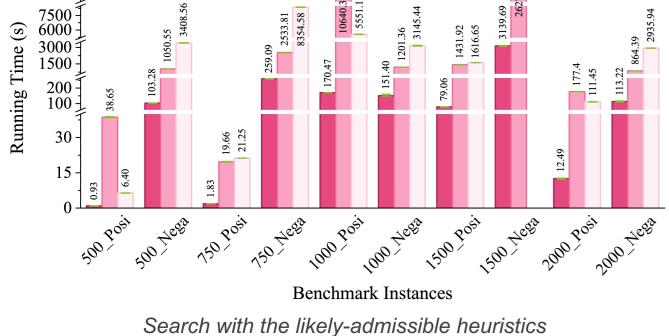
MOMGA* with Likely-admissible Learning Heuristics

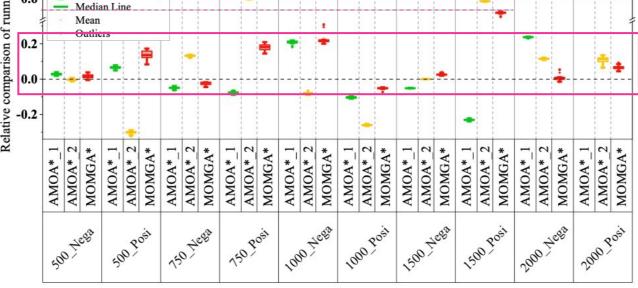
30000 MOMGA* AMOA*_1 15000



.≝ 0.78 0.75 25%~75% Range within 1.5IQR







Efficiency between with likely-admissible and admissible heuristics

Benchmark Instances MOMGA* under different heuristic conditions

