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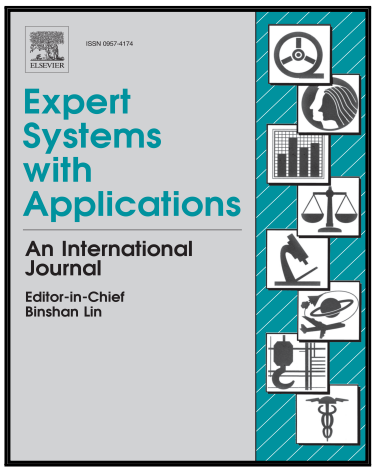

Cognition-Based Hierarchical En Route Planning for Multi-Agent Traffic Simulation

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Highlights

- A cognition-based en route planning approach is devised under the E-BDI framework.
- A hierarchical en route planning approach is proposed to handle a large-scale network.
- An integrated traffic simulation platform is developed for the demonstration.
- The proposed approach is demonstrated with Phoenix, Arizona road network.
- The approach represents a realistic, but computationally affordable, en route planning.

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