

## عنوان مقاله:

A Novel Fuzzy Guidance System For Automated Highway Driving

## محل انتشار:

پنجمین کنفرانس سراسری سیستم های هوشمند (سال: 1382)

تعداد صفحات اصل مقاله: 8

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## خلاصه مقاله:

Real-time, fuzzy rule-based guidance systems for autonomous vehicles on limited-access highways are investigated. The goal of these systems is to plan trajectories that are safe, while satisfying the driver's requests based on stochastic information about the vehicle's state and the surrounding traffic. This paper presented a new method to implement an automated highway driving behavior. The main advantage of the suggested system is its simplicity. To test the designed system, a simulation tool is implemented. By using the described tool, we can analyze the operation of the implemented decision making system in a simulated highway. Results show an acceptable performance of the developed fuzzy system

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/128094>

