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(57) Abstract

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ABSTRACT OF THE INVENTION ARTIFICIAL INTELLIGENCE TECHNIQUES FOR NETWORK TRAFFIC PREDICTION MODEL CONSIDERING ROAD TRAFFIC PARAMETERS The present invention relates to artificial intelligence techniques for network traffic prediction model considering road traffic parameters. Vehicular Ad hoc Networks (VANETs) are established on vehicles that are intelligent and can have Vehicle-to-Vehicle (V2V) and Vehicle-to-Road Side Units (V2R) communications. The present invention comprises a model for predicting network traffic prediction algorithm (RF-GRU-NTP) to predict the network traffic flow based on the traffic in the road and network simultaneously. The present model has three phases including network traffic prediction based on V2V communication, and network traffic prediction considering road traffic happening based on V2V and V2R communication. Figure of abstracts FIG. 1

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