Dear Editor in Chief:

On behalf of the co-authors, I am submitting the enclosed material “Robust Control of Heterogeneous Vehicular Platoon with Uncertain Dynamics and Communication Delay” for possible publication in the IET ITS.

In platoon control, various uncertainties and disturbances that are present in real-world driving conditions make the implementation of vehicular platoon a challenging problem. This paper presents an H-infinity control method for a platoon of heterogeneous vehicles with uncertain vehicle dynamics and uniform communication delay. Simulations with a platoon of heterogeneous vehicles are conducted to demonstrate the effectiveness of the proposed method under random parameters and external disturbances.

We certify that we have participated sufficiently in the work to take public responsibility for the appropriateness of vehicle modeling, controller design, stability proof, simulations and analyses.

Yours sincerely,

Shengbo