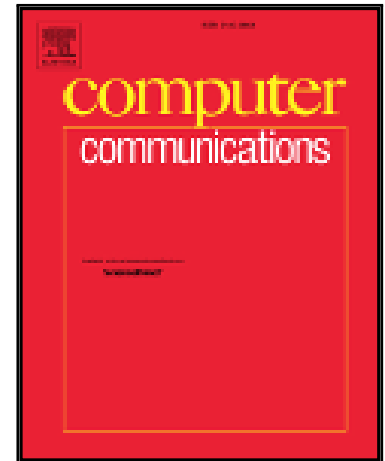


Accepted Manuscript

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PII: S0140-3664(17)30513-3
DOI: [10.1016/j.comcom.2017.10.011](https://doi.org/10.1016/j.comcom.2017.10.011)
Reference: COMCOM 5585



To appear in: *Computer Communications*

Received date: 30 April 2017
Revised date: 14 September 2017
Accepted date: 11 October 2017

Please cite this article as: Lu Hou, Kan Zheng, Periklis Chatzimisios, Yi Feng, A Continuous-Time Markov Decision Processing-based Resource Allocation Scheme in Vehicular Cloud for Mobile Video Services, *Computer Communications* (2017), doi: [10.1016/j.comcom.2017.10.011](https://doi.org/10.1016/j.comcom.2017.10.011)

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A Continuous-Time Markov Decision Processing-based Resource Allocation Scheme in Vehicular Cloud for Mobile Video Services

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Abstract

The development of vehicular network technologies boosts the wide deployment of mobile video applications with high requirements of Quality of Experience (QoE) in the Fifth-Generation (5G) era. However, the limitation of computing capabilities of intelligent vehicles makes it difficult to meet the QoE demands. The offloading technique that is put forward in vehicular cloud can extend such limitations largely by offloading video processing tasks to cloud or other vehicles. On the other hand, the emerging mobile social networks create new patterns for mobile applications to serve people on the

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