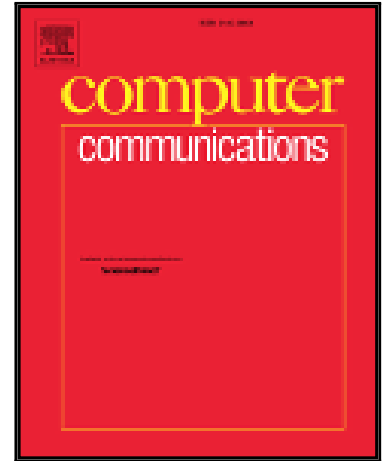


## Accepted Manuscript

Service-Actuated Multi-Channel Operation for Vehicular Communications

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PII: S0140-3664(16)30220-1  
DOI: [10.1016/j.comcom.2016.05.014](https://doi.org/10.1016/j.comcom.2016.05.014)  
Reference: COMCOM 5335



To appear in: *Computer Communications*

Received date: 15 November 2015  
Revised date: 22 March 2016  
Accepted date: 21 May 2016

Please cite this article as: Mate Boban, Andreas Festag, Service-Actuated Multi-Channel Operation for Vehicular Communications, *Computer Communications* (2016), doi: [10.1016/j.comcom.2016.05.014](https://doi.org/10.1016/j.comcom.2016.05.014)

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**Highlights**

- The paper proposes SAMCO, a novel multi-channel operation (MCO) algorithm for vehicular communications
- SAMCO enables dynamic service provisioning and usage by means of service advertisements
- SAMCO employs a novel channel load estimation scheme that exploits the information contained in service advertisements
- Simulations show that SAMCO can support service prioritization, continuity of service for high-priority services, and graceful degradation for low-priority services

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