Abstract

The tremendous growth of wireless network demands the need to meet different multimedia applications available over the wireless networks. Network congestion occurs when a link or a
node is carrying an excessive amount of data because of which the quality or service deteriorates and these demands and allocations lead to optimized rate based control regulation through queuing theory. Earlier works on rate control protocols does not emphasize on different RCP wireless practical situations which may have varying or constant link and packet acceptance capacity, bandwidth coordination, acceleration maintenance etc. In this paper, we propose a novel, methodology for rate based congestion control in wireless network. Thus, we proposed an algorithm of a range based capacity wireless network with different conditions for maintaining the acceleration and traffic in terms of capacity of processor nodes and link capacity

Reference

- Munir, A., Member, Qaisar, S. and, Member 2010 Coded Rate Control Protocol (C-RCP) for Lossy Channels. In 44th IEEE Annual Conference on Information Sciences and Systems (CISS 2010).
- Dukkipati, N. and, McKeown ,N. 2006 Why flow completion time is the right metric for congestion control In ACM SIGCOMM Computer Communication Review.
- Dr. E.Chandra, and B.Subramani, "A Survey on CongestionControl", Global Journal of Computer Science and Technology ", 2010, 82-87
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- “100x100 clean state project.” [Online]. Available: http://100x100network.org/

Index Terms

Computer Science

Wireless Networks

Key words

RCP (Rate Control Protocol)

XCP (Explicit Control Protocol)

Wireless network

Congestion