



A Comprehensive Survey on Channel Bonding Techniques in Wireless Sensor Networks and Futuristic Cognitive Radio Networks

Reviewer 1: --

1. In several sections sentences has spelling and grammar mistakes, which needs to be corrected.
2. In several sections sentences has space problem, which needs to be corrected.
3. Proper sentence construction in several sections to be modified.

Actual	Suggested
improves data rate as well as reduces latency	improve data rate as well as reduces latency
packets like scattered and event driven	packets like scattered and event-driven
we have thoroughly analysed the various	we have thoroughly analyzed the various
researches have already done on these wireless	researches have already been done on these wireless
which provide high data rate to their	which provide high data rates to their
lifetime of network and member nodes	lifetime of the network, and member nodes
cellular networks cover higher data rate	cellular networks cover a higher data rate
difficulties like security hazard from spiteful operator	difficulties like security hazards from spiteful operator
Burst becomes transmitted after transmission	Burst becomes transmitted after the transmission
. That creates use to assign the resources accessibility	That creates use to assign the accessibility of the resources
congestion problems to improve spectrum that	congestion problems to improve the spectrum that
added ability of non-cellular have directed	added ability of non-cellular have been directed
Because of potential advantages of non-cellular	Because of the potential advantages of non-cellular
this utilized in several assignments	this is utilized in several assignments

Assume that the shield units designed as the	Assume that the shield units are designed as the
having graphic data is bigger in size and sensors	having graphic data is bigger and sensors
demand at the corner of bond instead	demand at the corner of the bond instead
bonds when the width of channel expands	bonds when the width of the channel expands
size choice is an energetic nature which is checked	size choice is an energetic nature that is checked
guard band managed in such a manner to	guard band is managed in such a manner to
CB faces fewer difficulties to decrease capacity	CB faces fewer difficulties to decrease the capacity
transmission of data at higher rate becomes	transmission of data at a higher rate becomes
that network have four different frequency channels	that network has four different frequency channels
Higher data rate assumes a higher amount	A higher data rate assumes a higher amount
CB offers higher data rate and further data	CB offers a higher data rate and further data
bandwidth increases then reduces the	bandwidth increases then reduce the
following systems will convey higher communication	following systems will convey a higher communication
bandwidth instead of individual channel.	bandwidth instead of an individual channel
reduce in the situation of major difference	reduce in the situation of the major difference
The function of guard band is a type	The function of the guard band is a type
It is important that channel bonding schemes consider	Channel bonding schemes must consider
guard band is a better approach, on this	guard band is a better approach, in this
which are abused by hackers to create disturbance	are abused by hackers to create a disturbance
applications uses different scenario and	applications uses a different scenario and
bandwidth due to wider application of WSNs	bandwidth due to the wider application of WSNs
to be managed in such way that it cannot	to be managed in such a way that it cannot
protocols are able to send data fast which	protocols can send data fast which

WSNs need to be deployed in a such	WSNs need to be deployed in such a way
adopt for a long period of time.	adopt for a long period
energy consumption is important issue	energy consumption is an important issue
meaningful time and also have the ability to send	meaningful time and also can send
interference due to low number of	interference due to the low number of
the allocation of channel in	the allocation of the channel in
efficiency and getting high frequency allocation	efficiency and getting high-frequency allocation
various metrics which are being defined	various metrics that are being defined
another widely used metric while delay,	another widely used metric while delaying
auction technique which satisfies that	auction technique that satisfies that
CB technique in network can have an important	CB technique in the network can have an important
in channels which are non-overlapping	in channels that are non-overlapping
volume according to availability of channels	volume according to the availability of channels
Examination is required for capabilities under	The examination is required for capabilities under
when the need of communication occurs	when the need for communication occurs
track selection process, when train is	track selection process, when the train is
markov is a less memory and has imperfect high	Markov is less memory and has an imperfect high
came across with other several fields like	came across other several fields like
was active in case of false alarm at any	was active in case of a false alarm at any

Comments to Editor :

1. After modifying the content, paper can be accepted for possible publication.

Reviewer 2: --

1. Paper should be written in JMCMS Journal format.
2. References and in-text citations are not in JMCMS format. More references should be included and sequentially/adequately arranged, as cited in the text.
3. In the first line of the abstract, authors have written "Channel bonding is an authenticated approach used in wireless networks that improves data rate as well as reduces latency"- authors need to discuss in the paper how latency can be reduced by using channel bonding.
4. Authors need to provide a table of abbreviations; otherwise, it is very difficult to understand the paper.
5. In section II heading, after writing channel bonding, in bracket CB should be written, as the paragraph starts with CB, which is not easy to understand. Such abbreviations are used a lot in the paper; authors have to take necessary similar action about those cases.
6. Authors need to Modify Abstract and conclusion more appropriately.
7. Conflict of interest regarding article should be mention in the text.

Comments to Editor :

1. After modifying the content, paper can be accepted for possible publication.

Reviewer 3: --

1. References and in-text citations are not in JMCMS format. More references should be included and sequentially/adequately arranged,
2. Similar types of works are also available. With respect to novelty, authors are advised to add a comparative study with existing similar implementation; otherwise, the research's impact is not established.
3. It is advised to the authors to contact native English-speaking person to check grammatical and contextual English along with unnecessary spacing issues and punctuation issues else use professional proofreading software.
4. Conclusion should be written in a precise manner so that it should specify the aim and objective of the paper..
5. Conflict of interest regarding article should be mention in the text.

Comments to Editor :

1. After modifying the content, paper can be accepted for possible publication.

Regards
Editorial Manager

[Note: This is a computer-generated Report hence, no need of any Signature.]