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.

<table>
<thead>
<tr>
<th>Actual</th>
<th>Suggested</th>
</tr>
</thead>
<tbody>
<tr>
<td>improves data rate as well as reduces latency</td>
<td>improve data rate as well as reduces latency</td>
</tr>
<tr>
<td>packets like scattered and event driven</td>
<td>packets like scattered and event-driven</td>
</tr>
<tr>
<td>we have thoroughly analysed the various</td>
<td>we have thoroughly analyzed the various</td>
</tr>
<tr>
<td>researches have already done on these wireless</td>
<td>researches have already been done on these wireless</td>
</tr>
<tr>
<td>which provide high data rate to their</td>
<td>which provide high data rates to their</td>
</tr>
<tr>
<td>lifetime of network and member nodes</td>
<td>lifetime of the network, and member nodes</td>
</tr>
<tr>
<td>cellular networks cover higher data rate</td>
<td>cellular networks cover a higher data rate</td>
</tr>
<tr>
<td>difficulties like security hazard from spiteful operator</td>
<td>difficulties like security hazards from spiteful operator</td>
</tr>
<tr>
<td>Burst becomes transmitted after transmission</td>
<td>Burst becomes transmitted after the transmission</td>
</tr>
<tr>
<td>That creates use to assign the resources accessibility</td>
<td>That creates use to assign the accessibility of the resources</td>
</tr>
<tr>
<td>congestion problems to improve spectrum that</td>
<td>congestion problems to improve the spectrum that</td>
</tr>
<tr>
<td>added ability of non-cellular have directed</td>
<td>added ability of non-cellular have been directed</td>
</tr>
<tr>
<td>Because of potential advantages of non-cellular</td>
<td>Because of the potential advantages of non-cellular</td>
</tr>
<tr>
<td>this utilized in several assignments</td>
<td>this is utilized in several assignments</td>
</tr>
</tbody>
</table>
### A Comprehensive Survey on Channel Bonding Techniques in Wireless Sensor Networks and Futuristic Cognitive Radio Networks

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

[https://www.journalimcms.org/](https://www.journalimcms.org/)
WSNs need to be deployed in such a way to adopt for a long period of time, where energy consumption is an important issue. Meaningful time and also have the ability to send data while the allocation of channel is made with efficiency and getting high frequency allocation. Various metrics that are being defined and another widely used metric while delaying the auction technique that satisfies that CB technique in the network can have an important role in channels which are non-overlapping. Volume according to availability of channels is examined for capabilities under when the need of communication occurs. Track selection process, when train is moving, Markov is a less memory and has imperfect high volume. Came across with other several fields like was active in case of false alarm at any time.

**Comments to Editor:**

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

[https://www.journalimcms.org/](https://www.journalimcms.org/)

*Page 3*
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.]