Invitation to review manuscript for Cogent Engineering - Reminder

1 message

Cogent Engineering   Mon, Feb 20, 2023
<em@editorialmanager.com>   at 11:14 AM
Reply-To: Cogent Engineering <oaen-
peerreview@journals.tandf.co.uk>
To: "Rajendran. V" <director.ece@velsuniv.ac.in>

Ref: COGENTENG-2023-0054
Detection Performance Analysis of Cooperative Spectrum Sensing
UFMC Based Cognitive Radio for 5G System
Cogent Engineering

Dear Dr. Rajendran. V,

On Feb 15, 2023 we sent you a request to review a paper entitled
Detection Performance Analysis of Cooperative Spectrum Sensing
UFMC Based Cognitive Radio for 5G System for the journal Cogent
Engineering.

We have not yet received a response from you, possibly because
the original invitation went astray. Please could you let us know
within the next 4 days if you are able to carry out this review to help
us ensure timely peer review for the author. If you accept, the review
deadline will be 14 days from the date of accepting this invitation.

Please find the abstract below, for your information:
5G and beyond 5G wireless communication technologies need high
data rate, low latency, high capacity, and high
spectrum efficiency. Cognitive radio (CR), which is an adaptive and
reconfigurable communication system has capably
of automatically detecting and exploiting unused spectrum while
avoiding harmful interference to the incumbent
system for efficient utilization of spectrum. This benefit of CR

motivated researchers in the area. Even if multicarrier and orthogonal frequency division multiplexing (OFDM) have been used with CR, they suffers on drawbacks such as out-of-band radiation, and loss of spectral efficiency. Because of this drawback filter bank multicarrier (FBMC) has been considered and taken as a replacement of OFDM for 5G systems. However,because of high overhead in FBMC, Universal filtered multicarrier (UFMC) combines advantages of FBMC and OFDM. It improves the spectrum sensing ability of CR, and become a favorable choice for 5G and beyond 5G communication systems. Spectrum sensing is a key enabler for efficient use of spectrum and interference management. This research work proposed and analyzed cooperative spectrum sensing (CSS) UFMC based CR for 5G system. The factor of sample size and value of signal to noise ratio (SNR) on the proposed system performance is analyzed. The impact of increasing the number of CR on system performance for the case of AND, OR, and Majority Vote (MV) fusion rules are also analyzed and better performance are achieved

If you would like to review this paper, please click this link: https://www.editorialmanager.com/cogenteng/l.asp?i=489357&l=WFA515HB *.

If you are not able to review this paper, please click this link: https://www.editorialmanager.com/cogenteng/l.asp?i=489359&l=TISYCR6K *.

If the above links do not work, please go to https://www.editorialmanager.com/COGENTENG/. Your user name is Your username is: Rajendran.V , your password can be set at this link: https://www.editorialmanager.com/cogenteng/l.asp?i=489362&l=CTNWUGJN and the manuscript reference is COGENTENG-2023-0054.

If you are not able to review this paper, we would be very grateful if you could suggest an alternative expert that could serve as a reviewer.

Kind regards,
Cogent Engineering Editorial Office
On behalf of Charlie Flores

*If clicking the link above does not open an Editorial Manager window, your email program may have inserted some spaces and/or line markers into the link. Please open a browser window manually and copy and paste the entire link from the email into the url address box. The link starts with the letters "http" and ends with the letters "rev=X" (where X represents a number such as 0,1,2, etc.) Note that the end of the link may be shown on a different line in this email, and may be shown in a different color than the beginning of the link. The entire link must be copied and pasted into the browser in order for the correct Editorial Manager window to be displayed. After copying the link into the url address box, you must also remove any spaces and line markers (e.g. > or >>) by using the delete or backspace keys on your keyboard.