



## Wireless Networks

The Journal of Mobile Communication, Computation and Information

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## Volume 26, issue 4, May 2020

Special Issue: Sustainable Development through Internet of Things

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R. Maheswar & G. R. Kanagachidambaresan

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R. Maheswar & G. R. Kanagachidambaresan

Guest Editorial | Published: 03 February 2020 | Pages: 2305 - 2306

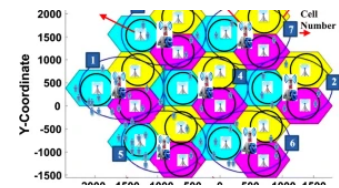
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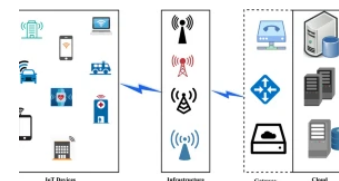
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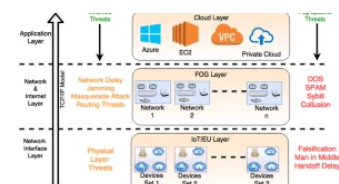
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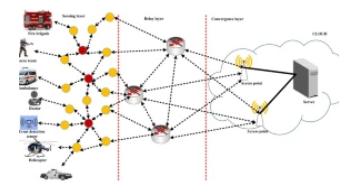
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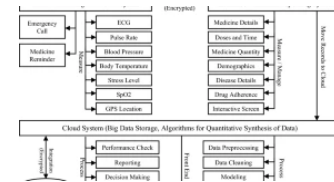


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Ghazanfar Latif, Achyut Shankar ... M. Arfan Jaffar

OriginalPaper Published: 18 October 2019

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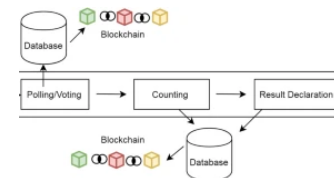


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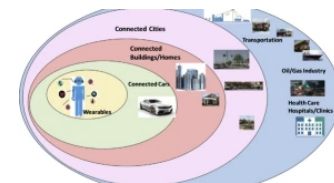


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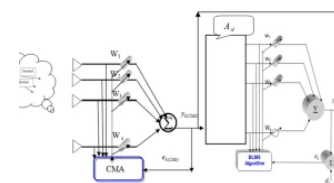


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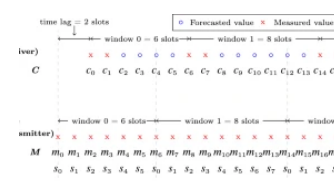
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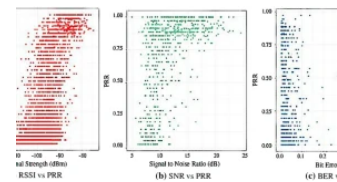


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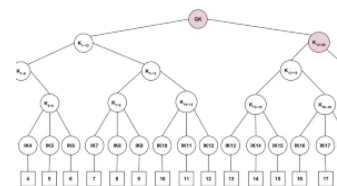


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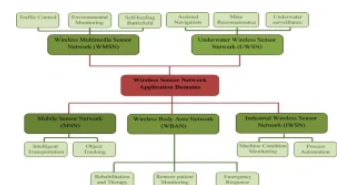


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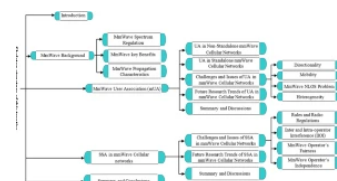


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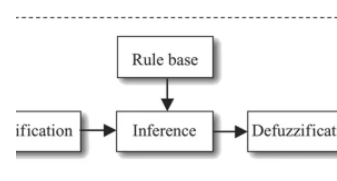
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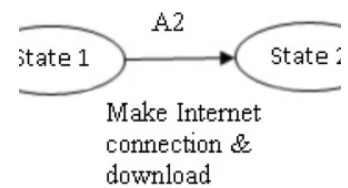
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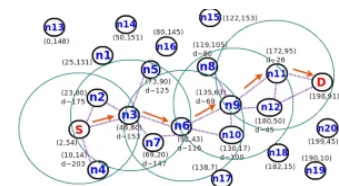
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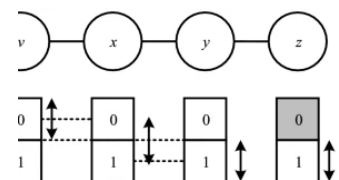
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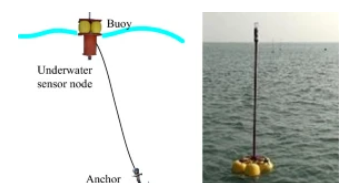
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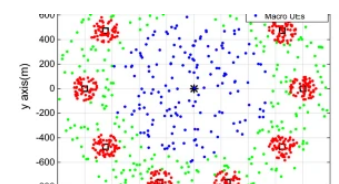


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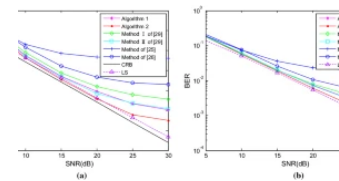


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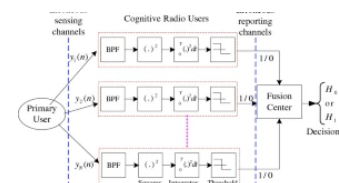
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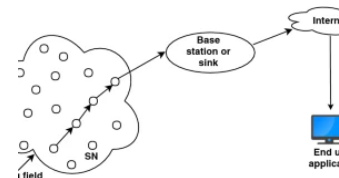
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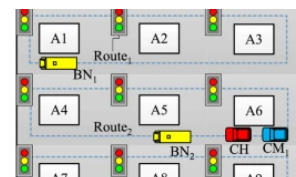
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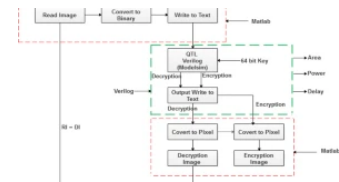


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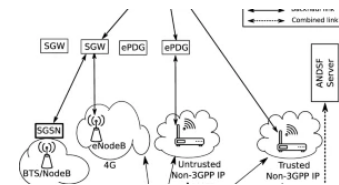


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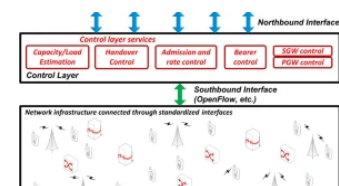


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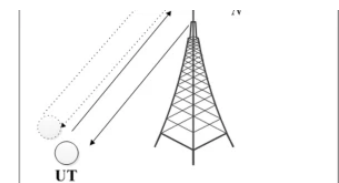


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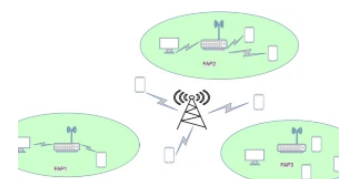


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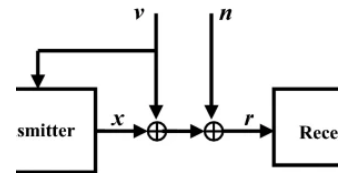


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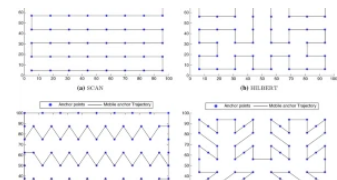


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## [Efficient measurement model for critical nodes based on edge clustering coefficients and edge betweenness](#)

Yu-Jing Deng, Ya-Qian Li ... Bin Liu

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1.  $2 \times 10^5$ .
2. WHILE uncalculated nodes exist in the network do
3. FOR  $i$  from 1 to  $N$  do
4. Calculate the number  $T_i$  of triangles containing node  $i$  in the network by the adjacency matrix  $A$ .
5. Calculate the shortest paths  $p_{ij}$  in the network and the shortest paths  $p_{ij}(i)$  passing through node  $i$  by Floyd algorithm.
6. FOR  $j$  from 1 to  $N$  do
7. Calculate the number  $T_j(p_{ij}(i))$  of triangles containing edge  $e_{ij}(i)$  in the network by the adjacency matrix  $A$ .
8. Calculate the shortest paths  $p_{ij}(i)$  passing through edge  $e_{ij}(i)$  by Floyd algorithm.
9. END FOR
10. Calculate the clustering coefficient  $C_i$  of node  $i$  by Eq.(2).
11. Calculate the betweenness  $B_i$  of node  $i$  by Eq.(4).
12. Calculate the generalized edge clustering coefficient  $GECV(e_{ij}(i))$  of edge  $e_{ij}(i)$  by Eq.(5).
13. Calculate the generalized betweenness  $GEB(e_{ij}(i))$  of edge  $e_{ij}(i)$  by Eq.(6).
14. Calculate the influence  $AD(i)$  of node  $i$  by Eq.(7).

## [Simulating study on RHCRP protocol in utility tunnel WSN](#)

Zhixin Zhou, Chenning Shao ... Zhidong Zhao

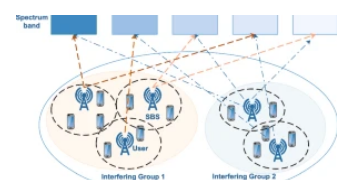
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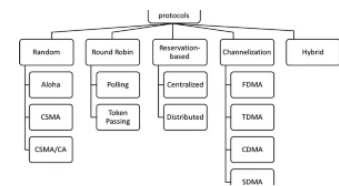
Yiming Liu, F. Richard Yu ... Victor C. M. Leung





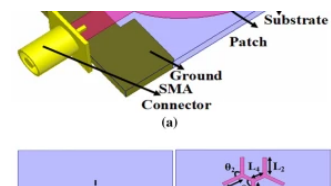
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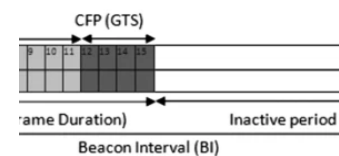
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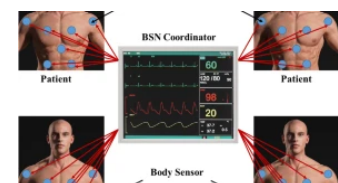
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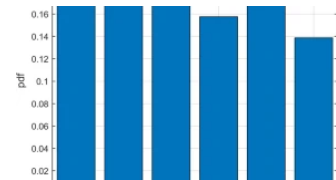


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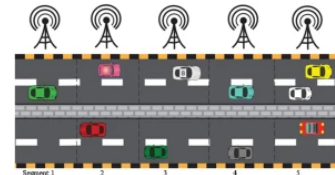


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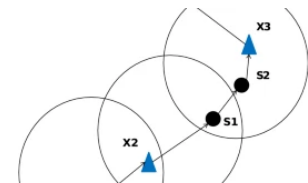


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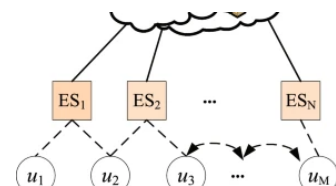


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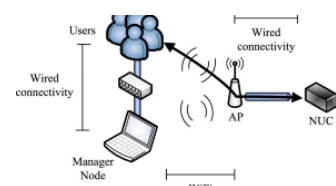
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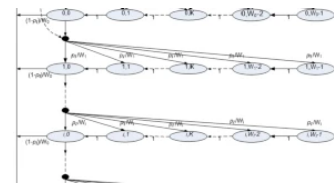
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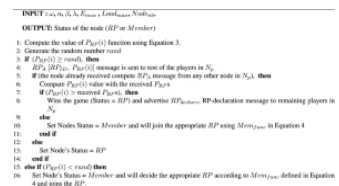
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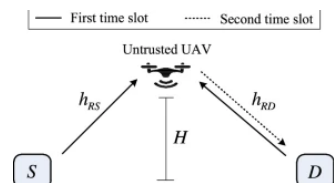
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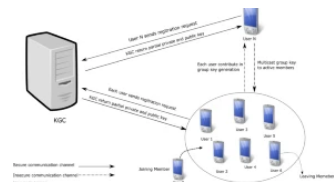
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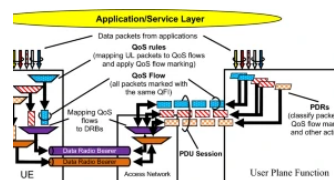
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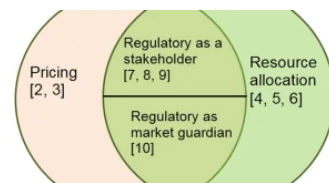
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