



## Wireless Networks

The Journal of Mobile Communication, Computation and Information

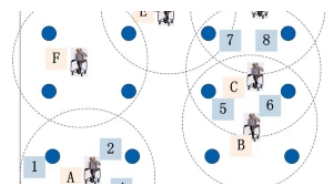
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## Volume 28, issue 7, October 2022

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[Improve the quality of charging services for rechargeable wireless sensor networks by deploying a mobile vehicle with multiple removable chargers](#)



ZhanSheng Chen, Hui Tian & Hong Shen

Original Paper | Published: 29 May 2022 |

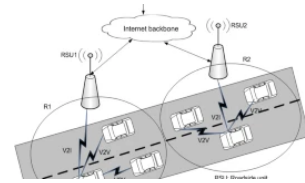
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Pankaj Kumar & Hari Om

Original Paper | Published: 30 May 2022 |

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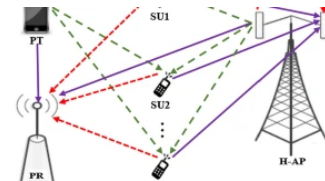


## [Full-duplex overlay cognitive wireless powered communication network using RF energy harvesting](#)

Mostafa Rezaie, Mohamad Dosaranian-Moghadam ...  
Mohammadreza Hassannejad-Bibalan

Original Paper | Published: 31 May 2022 |

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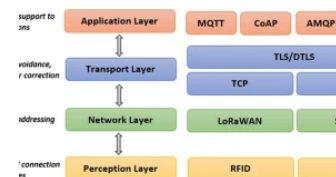


## [Analysis on functionalities and security features of Internet of Things related protocols](#)

Alessandra Rizzardi, Sabrina Sicari & Alberto Coen-  
Porisini

Original Paper | [Open Access](#) |

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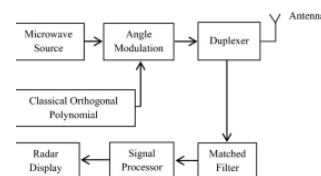


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Ankur Thakur & Davinder Singh Saini

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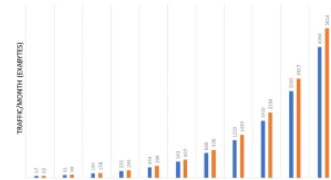


## [A brief survey on 6G communications](#)

S. Rajoria & Keshav Mishra

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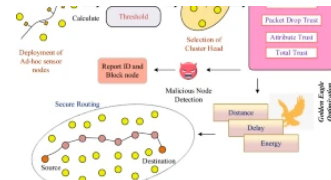


## [Trust-based energy-aware routing using GEOSR protocol for Ad-Hoc sensor networks](#)

Ranjit Kumar, Sachin Tripathi & Rajeev Agrawal

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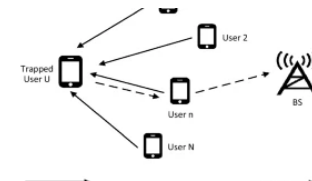


## [Joint optimization of energy harvesting and information transmission for trapped user](#)

Xi Wei & Qi Zhu

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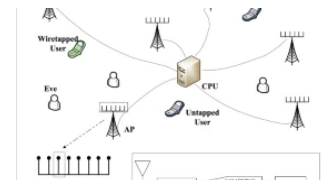


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Xiaoyu Wang, Yuanyuan Gao ... Na Li

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Bhaswar Majumder & T. G. Venkatesh

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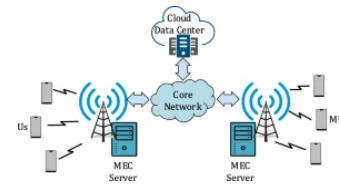
```
end
while true do
  for i = 1 : N do
    Player i selects a strategy  $\hat{a}_{ij}$  from the distribution  $(P_{ij}(t))$ ,  $j \in [1, d]$ 
    where  $P_{ij}(t) = \frac{e^{N^i_{ij}(t)}}{\sum_{j=1}^d e^{N^i_{ij}(t)}}$ 
    Player i selects action  $a_i(t) := \hat{a}_{ij}(h_i)$ 
  end
   $N^i_{ij} = \sum_{t=1}^T a_i(t)$ 
  if  $N^i_{ij} \leq N^i_{j_{\text{threshold}}}$  then
     $W(t) := 1$ ; i.e., WOF users are the winners
  else
     $W(t) := 0$ ; i.e., cellular users are the winners
  end
  BS transmits  $W(t)$  to all nodes;
  for i = 1 : N do
    if  $\hat{a}_{ij}(h_i) = W(t)$  then
       $N^i_{ij}(t+1) = N^i_{ij}(t) + 1$ 
    else
       $N^i_{ij}(t+1) = N^i_{ij}(t) - 1$ 
    end
  end
end
```

## [An efficient and provably secure authenticated key agreement scheme for mobile edge computing](#)

Mohammadamin Rakeei & Farokhlagha Moazami

Original Paper | Published: 18 June 2022 |

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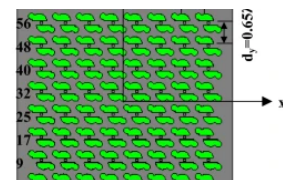


## [Beam-shaping technique for plasma magneto-electric dipole planar array based on time-modulation and particle swarm optimization](#)

Hend Abd El-Azem Malhat & Anas Saber Zainud-Deen

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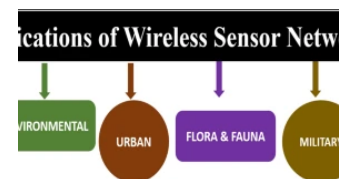


## [A state-of-the-art survey on wireless rechargeable sensor networks: perspectives and challenges](#)

Bushra Qureshi, Sammah Abdel Aziz ... Abdulbary Naji

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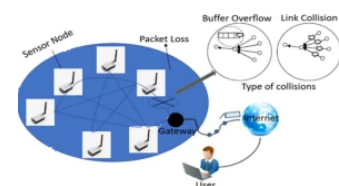


## [Finding an appropriate radio propagation model for rate aware congestion control mechanism in wireless sensor networks](#)

Amit Grover, Harmeet Singh ... Mehtab Singh

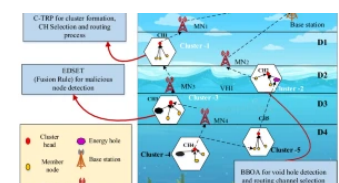
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## [Secure energy aware routing protocol for trust management using enhanced Dempster Shafer evidence model in multi-hop UWAN](#)

Surya Narayan Mahapatra, Singh Binod Kumar & Kumar Vinay



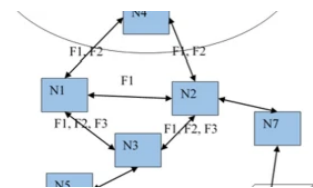
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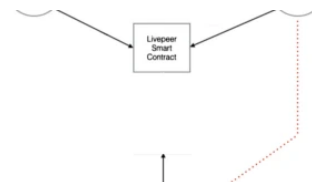
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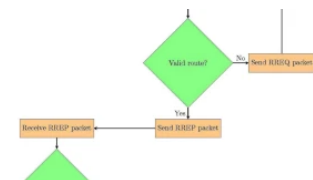
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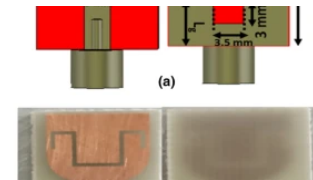


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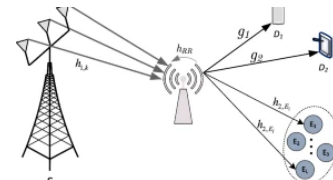


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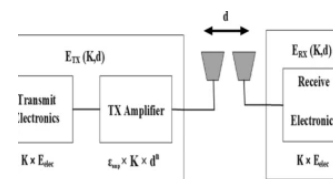


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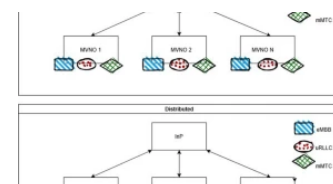


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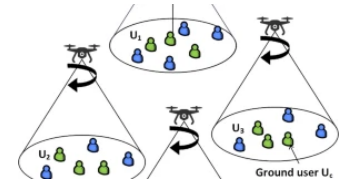


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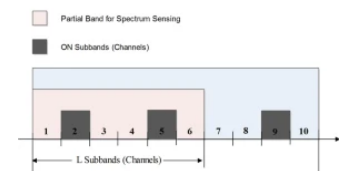


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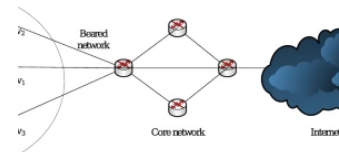


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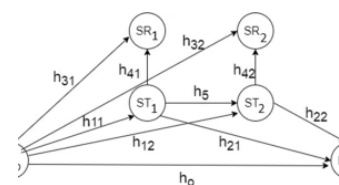


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S. Devipriya, J. Martin Leo Manickam & X. Anita

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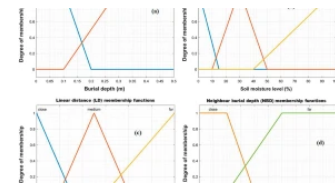
Dor Bitan & Shlomi Dolev

```

procedure 1: Mult. split( $p, s, N, i$ )
   $t$ : a prime number  $p, s \in \mathbb{F}_p, N \in \mathbb{N}$ , and  $1 \leq i$ 
   $\leq j \leq N, j \neq i$  do
     $\leftarrow \mathbb{F}_p^x$ 
  for
     $\prod_{j=1, j \neq i}^N m_j$ 
     $\leftarrow \frac{1}{\delta}$ 
  rn ( $m_1, \dots, m_N$ )
  
```

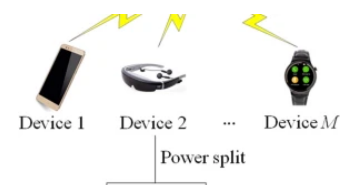
### [A new fuzzy logic approach for reliable communications in wireless underground sensor networks](#)

Damien Wohwe Sambo, Blaise Omer Yenke ... Idrissa Sarr



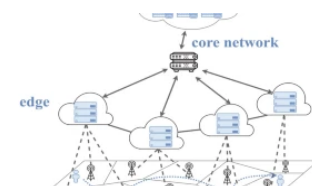
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