

### **Comparative analysis of ZigBee based Wireless Sensor Networks (WSNs)**

**Shabbir, Noman**; Hassan, Syed Rizwan; **Iqbal, Muhammad Naveed**; Kütt, Lauri; Unbreen, Arooj International journal of recent technology and engineering 2019 / p. 980-984 : ill <https://www.ijrte.org/wp-content/uploads/papers/v7i6s/F04000376S19.pdf>

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### **Dynamic slot allocation using non overlapping backoff algorithm in IEEE 802.15.6 WBAN**

**Saboor, Abdul**; Ahmad, Rizwan; Ahmed, Waqas; Kiani, Adnan Khalid; **Alam, Muhammad Mahtab**; Kuusik, Alar; Le Moullec, Yannick IEEE sensors journal 2020 / p. 10862-10875 : ill <https://doi.org/10.1109/JSEN.2020.2993795> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy efficiency for bisection based power allocation with proportional fairness in relay-assisted LTE-A downlink system [Online resource]**

Hassan, Hammad; Ahmed, Irfan; **Alam, Muhammad Mahtab** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill <https://doi.org/10.1109/BEC.2018.8600970>

### **A flexible enhanced throughput and reduced overhead (FETRO) MAC protocol for ETSI SmartBAN**

**Khan, Rida**; **Alam, Muhammad Mahtab**; Guizani, Mohsen IEEE Transactions on Mobile Computing 2022 / p. 2671-2686 : ill <https://doi.org/10.1109/TMC.2020.3047596> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **G-GPU : a fully-automated generator of GPU-like ASIC accelerators**

**Perez, Tiago Diadami**; Gonçalves, Marcio M.; Gobatto, Leonardo; Brandalero, Marcelo; Azambuja, Jose Rodrigo; **Pagliarini, Samuel Nascimento** 2022 Design, Automation & Test in Europe Conference & Exhibition (DATE 2022) : proceedings 2022 / p. 544 - 547 <https://doi.org/10.23919/DATE54114.2022.9774758>

### **NarrowBand-IoT performance analysis for healthcare applications**

**Malik, Hassan**; **Alam, Muhammad Mahtab**; Le Moullec, Yannick; Kuusik, Alar Procedia computer science 2018 / p. 1077–1083 <https://doi.org/10.1016/j.procs.2018.04.156> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **SmartBAN performance evaluation for diverse applications**

**Khan, Rida**; **Alam, Muhammad Mahtab** Body Area Networks : Smart IoT and Big Data for Intelligent Health Management. 14th EAI International Conference, BODYNETS 2019, Florence, Italy, October 2-3, 2019 : Proceedings 2019 / p. 239-251 [https://doi.org/10.1007/978-3-030-34833-5\\_19](https://doi.org/10.1007/978-3-030-34833-5_19) [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Throughput and channel aware MAC scheduling for SmartBAN standard**

**Khan, Rida**; **Alam, Muhammad Mahtab**; Paso, Tuomas; Haapola, Jussi IEEE Access 2019 / p. 63133-63145 : ill <https://doi.org/10.1109/ACCESS.2019.2916159> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Throughput estimation with regard to airtime consumption unfairness in mixed data rate Wi-Fi networks**

Abdul-Hadi, Alaa Mohammed; Tarasyuk, Olga; Gorbenko, Anatoliy; Kharchenko, Vyacheslav; **Hollstein, Thomas** Communications - Scientific Letters of the University of Žilina 2014 / p. 84-89 : ill <https://komunikacie.uniza.sk/pdfs/csl/2014/01/15.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **A Unique backoff algorithm in IEEE 802.15.6 WBAN**

**Saboor, Abdul**; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab** 2018 IEEE 88th Vehicular Technology Conference (VTC-Fall) : Chicago, IL, USA 27 - 30 August 2018 : proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/VTCFall.2018.8690812> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)