

Co-design of a wireless networked control system for reliability and resource-efficiency

Ashraf, Kanwal; Le Moullec, Yannick; Pardy, Tamas; Rang, Toomas 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 7 p <https://doi.org/10.1109/BEC61458.2024.10737965>

Co-design of wireless networked control systems : a reliable and resource-efficient approach

Ashraf, Kanwal; Le Moullec, Yannick; Pardy, Tamas; Rang, Toomas techrxiv.org 2024 / 9 p. : ill <https://www.techrxiv.org/users/693853/articles/683291-co-design-of-wireless-networked-control-systems-a-reliable-and-resource-efficient-approach>

Division algorithms - from past to present chance to improve area time and complexity for digital applications

Patankar, Udayan Sunil; Flores, Miguel E.; Koel, Ants LAEDC 2020 : Latin American Electron Devices Conference, San José, Costa Rica, February 25-28, 2020 2020 / 4 p <https://doi.org/10.1109/LAEDC49063.2020.9073050>

Energy efficiency and latency optimization for IoT URLLC and mMTC use cases

Elgarhy, Osama Mohamed Mostafa; Reggiani, Luca; Alam, Muhammad Mahtab; Zoha, Ahmed; Ahmad, Rizwan; Kuusik, Alar IEEE Access / p. 23132-23148 <https://doi.org/10.1109/ACCESS.2024.3364349>

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 [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](#)