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## International conference on IoT, Communication and Automation Technology : Submission (527) has been created.

1 message

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Thu, Apr 20, 2023 at 8:25 AM

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Hello,

The following submission has been created.

Track Name: Track-2 (Communication)

Paper ID: 527

Paper Title: 5G NR Downlink Transport channel modeling using MatLab

**Abstract:**

The fifth generation (5G) of mobile communication networks offers significant improvements in terms of data rates, latency, and reliability in comparison to 4G. One critical component of the 5G system is the downlink transport channel, which facilitates data transmission between the base station and the user equipment. Accurate modeling of the downlink transport channel is essential to optimize network performance and ensure seamless communication. In this study, we investigate the modeling of the downlink transport channel in 5G NR using MATLAB. We employ simulation-based techniques to evaluate the transport channel's performance under various scenarios and configurations. Our findings demonstrate the efficacy of the MATLAB-based approach in accurately predicting downlink transport channel characteristics, facilitating optimization of network design and deployment. This research contributes to the field of 5G NR downlink transport channel modeling by validating the effectiveness of MATLAB-based simulation techniques, enabling further study and refinement of network performance optimization.

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Secondary Subject Areas: Not Entered

Submission Files: Conference paper - 5G NR transport channels modelling using matlab.pdf (616 Kb, Thu, 20 Apr 2023 02:53:27 GMT)

Appendix for Matlab code.pdf (706 Kb, Thu, 20 Apr 2023 02:55:15 GMT)

Submission Questions Response: Not Entered

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