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

1 message

Microsoft CMT <email@msr-cmt.org> 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

Created on: Thu, 20 Apr 2023 02:55:39 GMT

Last Modified: Thu, 20 Apr 2023 02:55:39 GMT

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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

Thanks,
CMT team.