Karlsruhe Institute of Technology

Message Prediction for 5G Network using Machine Learning

Master's Thesis

Project

In recent years transformer networks have gained a lot of attention with the release of AI like Chat GPT. Since they are well suited to produce messages that follow a certain grammatical rule. This master thesis tries to adopt this to the ruleset of a 5G communication link. This is helpful in security research, while every message that can be predicted by such a network is also a weak point that might be targetable for jamming.

Tasks

Requirements

Institute

Communications Engineering Lab

Hertzstr. 16
Gebäude 06.45
76187 Karlsruhe
www.cel.kit.edu

Contact

**M.Sc.
Jonathan Ebert**

Room 211
jonathan.ebert@kit.edu