Intra-Aircraft Communication Simulator

In this work, intra-aircraft communication will be implemented on a simulator. Under this scope, sensor have to be distributed on aircraft components regarding their application. Further more, spatial traffic generation will be activated and de-activated concerning different flight phases. Expected outcome is the modelling of sensor communications in the aircraft during a single flight.

This simulator can be extended to include various MAC schemes to assess certain metrics for a Master Thesis.

Scope of the work:

- SotA Research
- Build of Generic Communication Simulator
- Tests and Evaluation
- Further steps will be discussed personally

Requirements: Matlab/Python/OMNet++ , Wireless Communications, Traffic Modelling, MAC schemes.

For further information please write an e-mail.

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