

Master's Thesis

Analysis of Mobility and Blockage using Madrid Grid Mobility Model

In this thesis, the Madrid Grid Mobility model is extended to consider geometric blockages. Then the model is compared to the 3GPP blockage model, which is distance and probability-based. In the second part, an optimization problem to maximize network throughput considering mobility KPIs such as handovers is formulated and solved using a solver. Finally, a fast and well-performing heuristic will be developed.

Advisors

Anna Prado