Robustness in Railway Operations (RobustRailS) - DTU Orbit (08/10/2019)

Robustness in Railway Operations (RobustRailS)
This study considers the problem of enhancing railway timetable robustness without adding slack time, hence increasing the travel time. The approach integrates a transit assignment model to assess how passengers adapt their behaviour whenever operations are changed. First, the approach considers the existing stopping patterns of the railway lines. Then, based on the passenger demand we try to optimize the overall utility by changing the stopping pattern in a way that capacity utilization is reduced without affecting the frequency of the train lines nor increasing the passengers’ travel time.

General information
Publication status: Published
Organisations: Department of Transport, Traffic modelling and planning
Contributors: Jensen, J. P., Nielsen, O. A.
Number of pages: 1
Publication date: 2014
Peer-reviewed: Yes
URLs:
http://ifors2014.org/
Research output: Contribution to conference » Conference abstract for conference – Annual report year: 2014 » Research » peer-review