

Development of a Telecommunication and Train Operation Simulator for Radio Communication Train Control

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When putting the radio communication train control system to use, it is important not only to establish a stable radio communication condition between trains and ground facilities but also to consider train operation conditions. Then, we develop a Telecommunication and Train Operation Simulator for Radio Communication Train Control under which we can estimate train operation in consideration of radio wave propagation and communication networks. In addition, a system design flow contrived so as to fulfill given criteria is also suggested using this simulator. In this paper, we explain the summary of this simulator and the design flow and introduce the results of some case studies.