

# Autonomous Driving Trains (Abstract)

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The day of having an empty driver's cab on trains one day is slowly coming toward us. However, many software companies have a very broad perspective and want to make the trains even more independent.

In this research paper, I will explain, describe and address the individual steps, processes and components needed to achieve these goals. The details of this will be fully explained and the working of the concept will be factually presented.

How it happens that trains plan international routes, switch on the heaters when necessary, activate cruise control or practically behave as if they were being operated by people, can also be read in the work.

It is also becoming more important to execute flawless code that actually works and responds flawlessly to intent, since if that is not the case it could result into very high costs and even losses of human life.

Because of that, it is starting to get more important to choose the right way, to complete specific tasks. The word Automation is written big in today's time.