A survey on driver scheduling in public transportation. (Chinese. English summary)

Summary: Driver scheduling is one of the indispensable core businesses in public transportation system. The driver scheduling problem has attracted much research interests and a large amount of scheduling approaches have been developed since the 1960s. This paper first introduces the driver scheduling problem and its common mathematical model. Then, two kinds of solution modes are summarized while an overview of driver scheduling approaches is reported. Finally, future research trends and directions are suggested.

MSC:
- 90B35 Deterministic scheduling theory in operations research
- 90B36 Stochastic scheduling theory in operations research
- 90C10 Integer programming
- 90C90 Applications of mathematical programming

Keywords:
- driver scheduling; public transportation; integer linear programming; intelligent optimization

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