Schedule Synthesis for Switches in Time-Triggered Train Communication Networks

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Abstract—Train connection networks

I. INTRODUCTION

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mds

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A. Topology

The topology of train communication networks consist of two part, Ethernet Train Backbone Network(ETBN) and Ethernet Consist Network(ECN). ETBN is the carriage level network which connects each carriage of a train. ETBN consists of three layer switches with linear connection. The number of switches in ETBN can be up to 64. ECN is the network with devices in a carriage. In

- 1) Subsubsection Heading Here: Subsubsection text here.
 - II. RELATED WORK
 - III. SYSTEM MODEL
- A. Dataflow
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- IV. GENETIC-BASED SCHEDULE SYNTHESIS ALGORITHM
- A. Motivation
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- C. Fitness Function

V. EXPERIMENT

- A. Configuration
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- C. Performance
- D. Case Study

VI. CONCLUSION

The conclusion goes here.

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REFERENCES

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