

Seminar

Slot Table Configuration Techniques for TDM NoCs

Modern Multi Processor System on Chip (MPSoC) often rely on a Network-on-Chip (NoC) to connect the different components on the chip. One way of organizing the access to the NoC and sharing the available bandwidth between multiple communication channels is by using Time Division Multiplexing (TDM). This, however, requires that the slot tables of each network router and Network Interface (NI) are configured in order to set up a communication channel. The goal of this seminar is to give an overview of different techniques to configure these slot tables in a TDM NoC (or a hybrid NoC with a TDM part) and compare their pros and cons.

Prerequisites

At least basic knowledge of the operating principle of NoCs.

Advisors

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