CHAIR OF CYBER-PHYSICAL SYSTEMS IN PRODUCTION ENGINEERING

Automated reservation and access system to embedded boards

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Type:	Bachelor / HiWi
Description:	The increase of home-office work requires to be able to remotely access embedded boards that are normally located on the developer's desk. The objective of the thesis/student work is to develop a reservation and access system to quickly perform operations on embedded boards connected remotely to a server system. Example of operations are: • power cycle the boards • automate the connection to the board via serial/ethernet • track whether the board is in use (and by whom) • define priorities among users of the board
Requirements:	Linux administration, perl/python, bash

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