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KON-C2004 - Mechatronics Basics, Lecture, 22.10.2024-12.12.2024

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Week 6



Lecture 11: Digital control devices


Location: K1/213

Other digital control devices besides microcontrollers: programmable logic controllers (PLCs) and realtime operating systems for PCs. Digital communication buses.




Lecture 11 recording

Exercise 6: Microcontrollers and dynamics optimizing (DL. 3.12. at 10:00 am)




6.1 Microcontroller - 5 points

Analyze the behaviour of LEDs controlled by a microcontroller.




6.2 Potentiometer - microcontroller - DC motor - 10 points


Design a microcontroller based speed control for a DC motor.



6.3 Dynamics optimizing - 15 points



Solutions for exercise round 6



Feedback round 6 - 1 point

By answering this feedback questionnaire, you get one credit. Questionnaire will be closed before the exam.



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