



Lõputööteemad

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Software Defined Radio (SDR)

- ⊙ Cybernetica is actively developing and selling integrated marine radio communication systems
- ⊙ The industry standard is to use analog radios
- ⊙ Cybernetica wants to explore the possibilities of digital signal processing provided by SDRs
- ⊙ Expected system features:
 - ⊙ One digital signal processing platform for various applications
 - ⊙ Higher flexibility
 - ⊙ Lower cost

Upcoming Topics

- ⊙ Radio technology development using software solutions
- ⊙ Near future topics:
 - ⊙ Software transceivers for MF/HF/VHF bands
 - ⊙ Feasibility of multi-channel system setups
 - ⊙ Radio activity monitoring
 - ⊙ Radio direction finding for wideband systems
- ⊙ What we expect from a student:
 - ⊙ Programming experience
 - ⊙ Basic knowledge about radio technology
 - ⊙ Interest in developing engineering solutions



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