Bachelor thesis

Voice Command Kephera III

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3. Problem presentation: objective and way of treatment
4. Set of commands
5. Implementation: software environment for voice command Kephera III
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1. Kephera III robot

A) Characteristics
B) Connexions
C) Serial communication
D) Programming KoreBotLE
E) Communication protocol
2. Communication tools

A) Kephera III communication interface

B) Robot – Laptop communication via USB interface

C) Bluetooth communication

D) Bluetooth communication Kephera III – Fujitsu-Siemens Pocket LOOX T830

E) Distance control
3. Problem presentation

A) Objective: voice command Kephera III
B) Solving: Voice command software application
C) User profile definition
D) Voice recognition process
E) Movement control Kephera III
F) Serial communication [COM] application Kephera III
4. Set of commands

1) Forward
2) Backward
3) Left
4) Right
5) Circular optimal
6) Backwards optimal
7) Stop
8) Journey
9) Happy 😊
5. Software environment for voice command Kephera III

Voice Command Kephera III
6. Conclusions

A) Avantaje
B) Complexitate
C) Identificarea semnalului uman
D) „Personalizare”

E) Lansarea in executie
F) Reducerea timpului de executie

G) Directii viitoare de cercetare
Thank you!

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