

Bachelor thesis

Voice Command Kephera III

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Contents

- 🕒 1. Kephera III robot
- 🕒 2. Communication tools
- 🕒 3. Problem presentation: objective and way of treatment
- 🕒 4. Set of commands
- 🕒 5. Implementation: software environment for voice command Kephera III
- 🕒 6. Conclusions

1. Kephera III robot

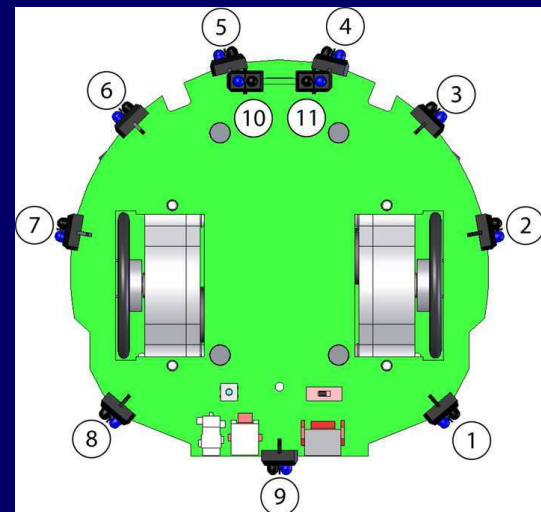
A) Characteristics

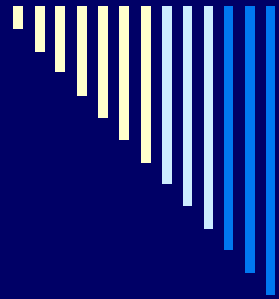
B) Connexions

C) Serial communication

D) Programming KoreBotLE

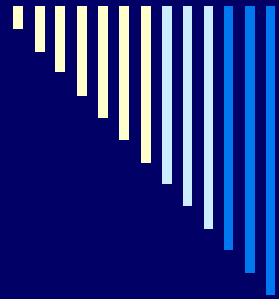
E) Communication protocol





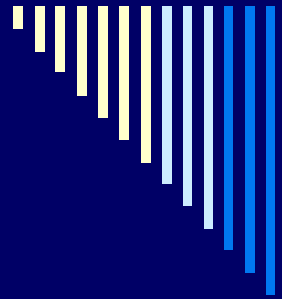
2. Communication tools

- 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

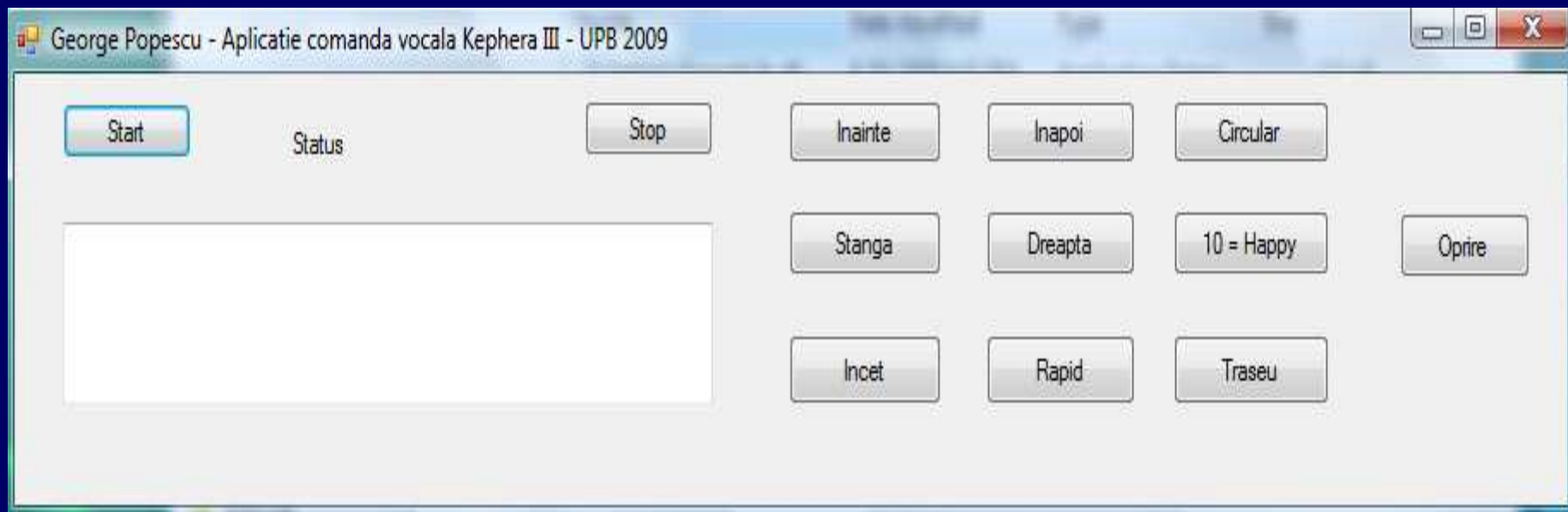
- A) Objective: voice command Kephera III
- B) Solving: Voice command software application
- C) User profile definition
- D) Voice recognition process
- E) Movement control Kephera III
- F) Serial communication [COM] application
Kephera III

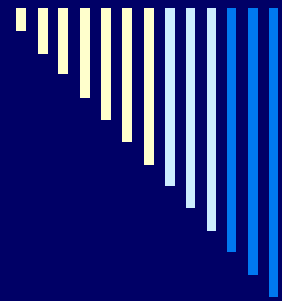


4. Set of commands

- 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





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!



Voice Command Kephra III