Search, Navigate, and Actuate

Overview

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Objectives

- Integrate the knowledge and skills acquired in the 1th year
- Initiate skills to plan, manage, execute and report a software project
- Introduce the knowledge needed for robotics

Program

1th Week: Search

Find the next move for a chess playing robot

2nd Week: Navigate

Translate the move to movements of a piece

3rd Week: Actuate

Translate the piece movements to arm movements

4rd Week: Play

Do something nobody has done before

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Schedule

10.00-12.30: Practicum

Assistant will introduce the new assignment

13.00-15.00: Lecture

Knowledge needed for the task

15.30-17.00: Project

Work together on the assignment

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Grade

1th Week: Programming skills
Jasper Uijlings will grade your implementation of the chess endgame

2nd Week: Knowledge
Leo Dorst will test your understanding of the syllabus

3rd Week: Practical skills
Matthijs Spaan will grade your demonstration and report of the chess playing robot

4rd Week: Experimental skills
Arnoud Visser will grade your demonstration and labbook of your survey

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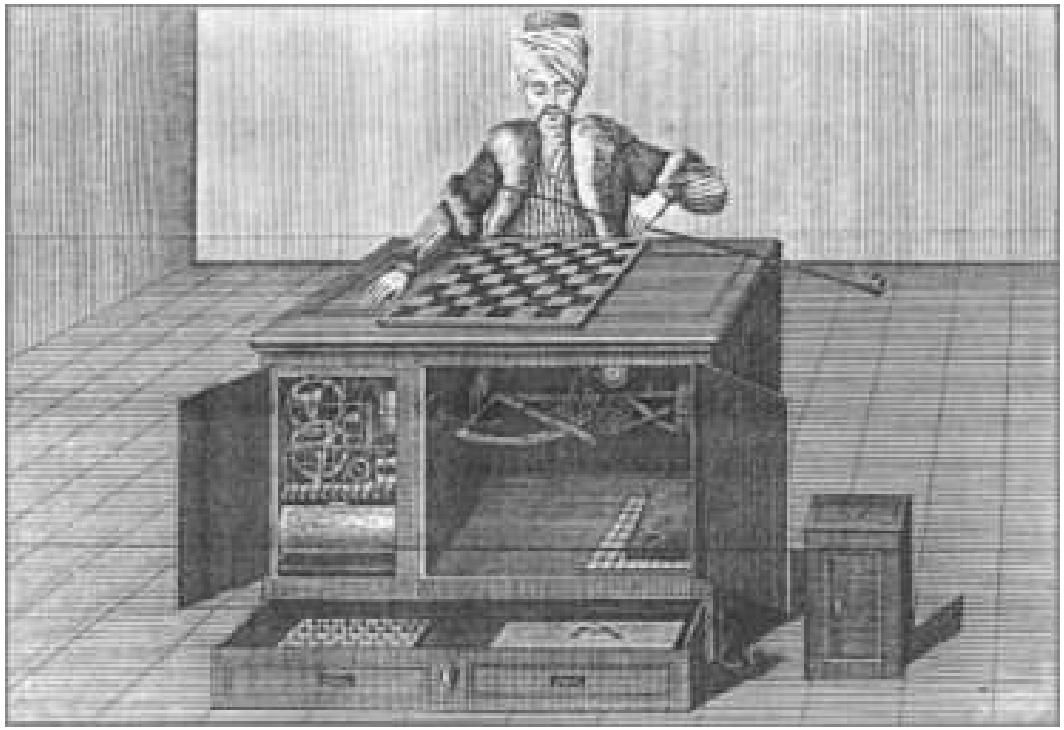
Classical problem in AI



Farkas with the chess-playing Turk in 1769

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Lets do it!

Have fun!

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