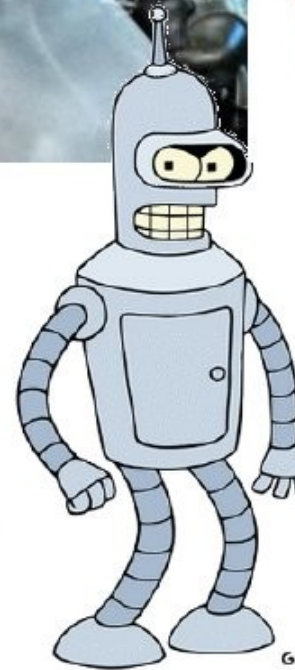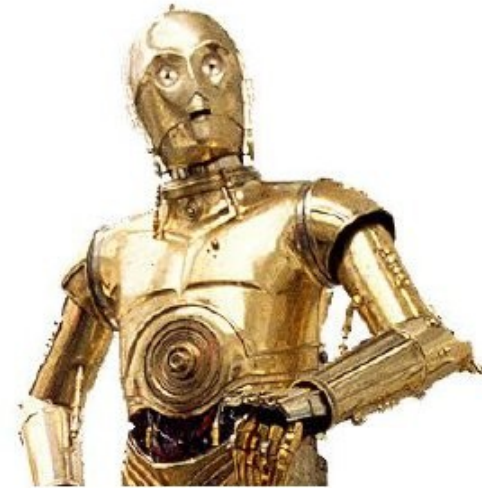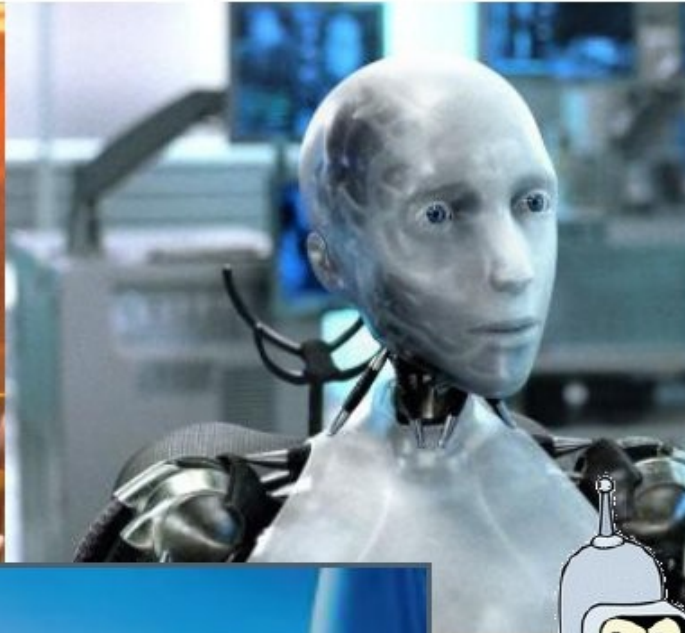# Cybernetics and Robotics

bachelor and master program
guarantor: prof. Vladimír Mařík

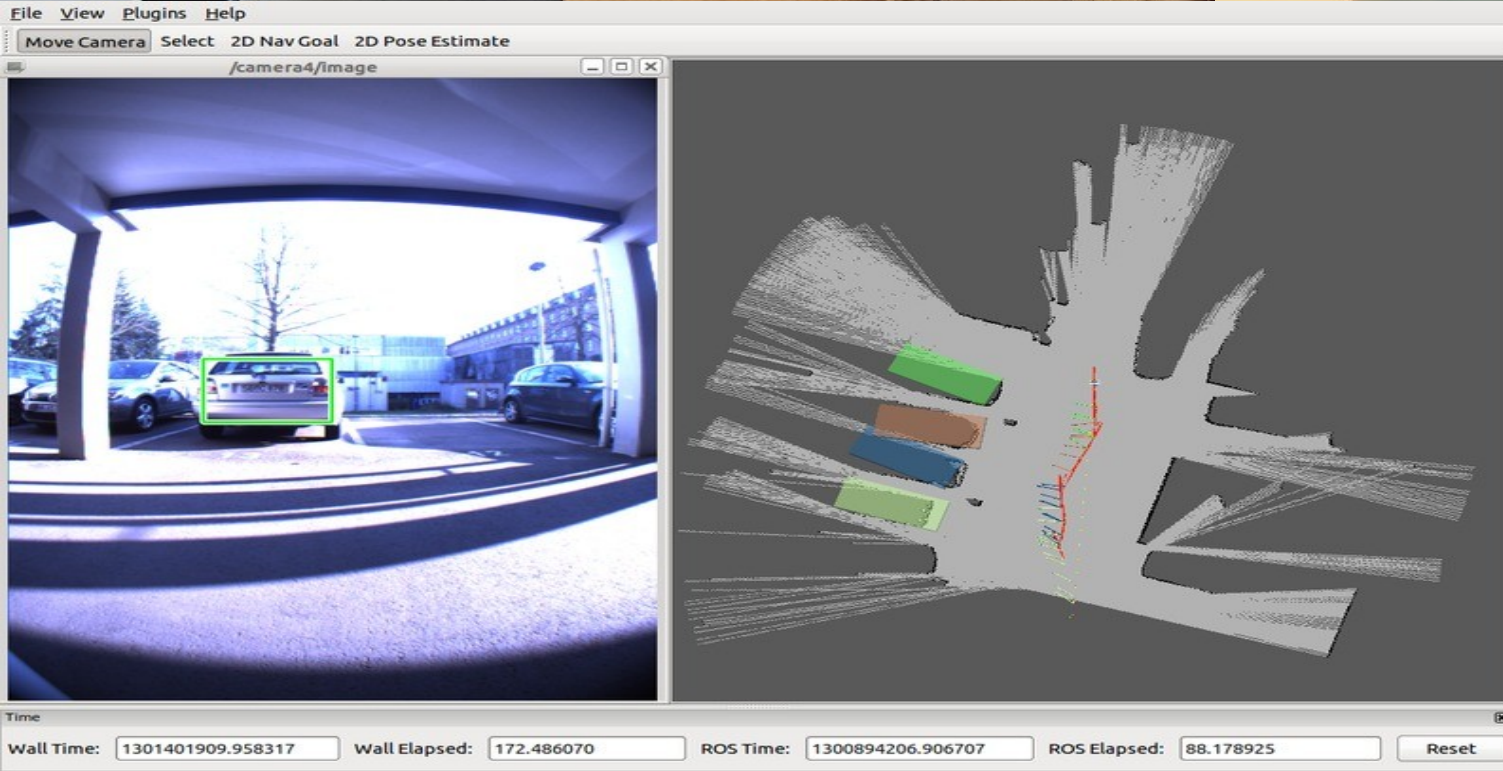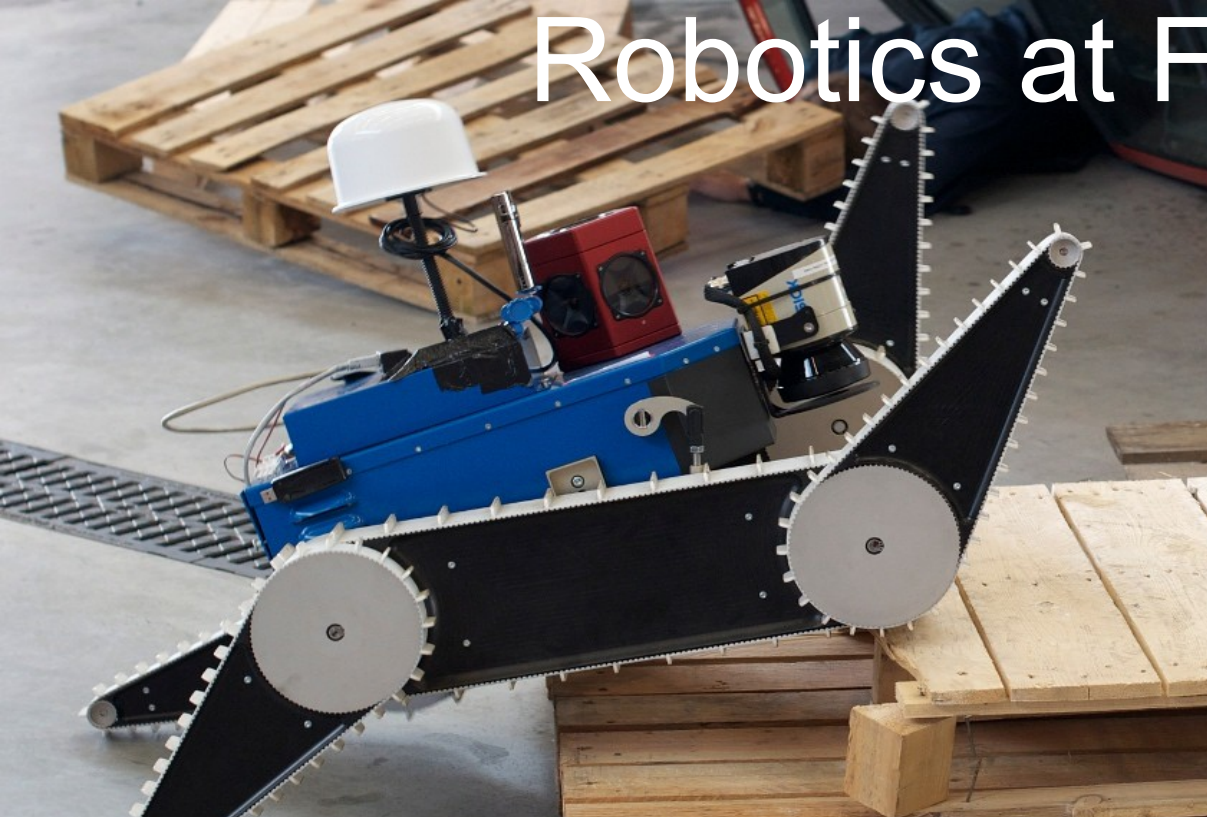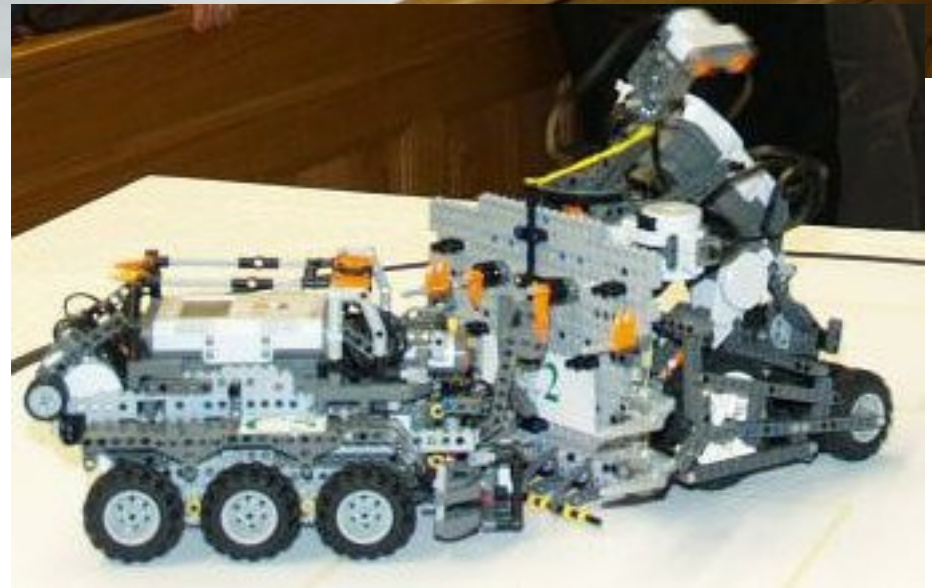# Robot fiction

Real Robots
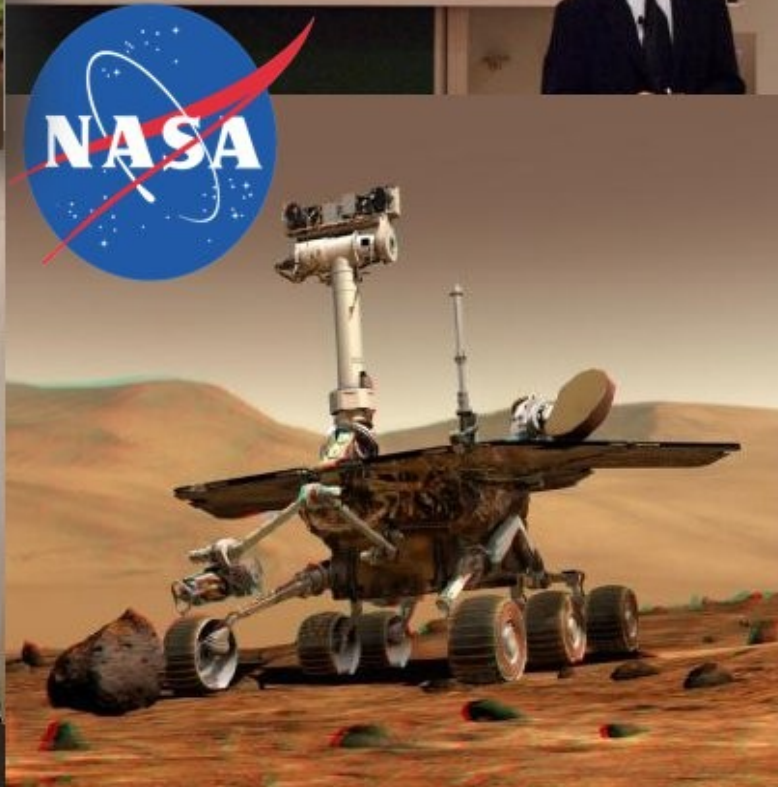
Study program Cybernetics and Robotics at FEE

- interdisciplinary (close to AI, robot vision, …)
- connected to world class research
- students may participate on bleeding edge projects
- connected to many companies around the globe
- courses, textbook, tools … compatible with top US, EU or Asia universities

Student robots 1ˢᵗ term bachelor

Cybernetics and Robotics bachelor program, Systems and Control branch

Semester	Compulsory subjects of the program (P)	Compulsory subjects of the branch (PO)	Elective subjects (PV)		
1 (Z)	AE0B01LAG Z 4p+2s **Linear Algebra**	AE3B01MA1 Z 4p+2s **Mathematics 1**	AE3B99RO Z 1p+2l **Robots**	AE0B36PR1 Z 2p+2c **Programming 1**	Humanities subject, Czech language
2 (L)	AE0B01LGR L 3p+2s **Logic and Graph Theory**	AE3B01MA2 L 4p+2s **Mathematics 2**	AE3B02FY1 L 4p+2l **Physics 1 for KyR**	AE3B31TES L 3p+2c **Signal theory**	AE0B36PR2 L 2p+2c **Programming 2**
3 (Z)	AE3B02FY2 Z 3p+2l **Physics 2 for KyR**	AE3B31EOP Z 4p+2c **Electrical circuits and elements**	AE0B35SPS Z 3p+2l **Computer systems structures**	AE0B01PSI Z 4p+2s **Probability, Statistics, and Theory of Information**	AE0B16EPD Z 2p+2s **Business economics**
4 (L)	AE3B33KUI L 2p+2c **Cybernetics and Artificial Intelligence**	AE3B33OSD L 3p+2c **Operating Systems and Databases**	AE3B35ARI L 4p+2l **Automatic Control**	AE3B38SME L 3p+2l **Sensors and Measurement**	AE0B36APO L 2p+2l **Computer Architectures**
5 (Z)	AE0B16PRS Z 0p+2S **Presentation skills**	AE3B38DSY Z 4p+2l **Distributed Systems and Computer Networks**	**Project**	AE3B35MSD Z 2p+2l **Modeling and Simulation of Dynamic Systems**	**2 elective subjects**
6 (L)	AE3B35BAP L 0p+28i **Bachelor thesis**	AE3B35APE L 2p+2l **Applied Electronics**	**Elective subject**		

Cybernetics and Robotics master program, Robotics branch

1 (Z)	**AE3M01MKI** Z 4p+2s **Mathematics for Cybernetics**	**AE3M35TDS** Z 4p+2c **Theory of Dynamical Systems**	**AE3M35PSR** Z 2p+2c **Real-time Systems Programming**	**Elective special subject**	**Elective special subject**
2 (L)	**AE3M33IRO** L 3p+2c **Intelligent Robotics**	**AE3M99PTO** L 1p+3c **Team Work**	**AE3M38DIT** L 3p+2l **Diagnostics and Testing**	**AE3M33UI** L 2p+2c **Artificial Intelligence**	**Elective special subject**
3 (Z)	**Project**	**AE3M33MKR** Z 2p+2c **Mobile and Collective Robotics**	**AE3M33PRO** Z 2p+2c **Advanced Robotics**	**Humanities subject**	**Elective special subject**
4 (L)	**Diploma Thesis**	**AE0M33PIS** L 2p+2c **Industrial Information Systems**			

Bachelor and master study program at CTU FEE

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Introduction

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Frequently asked questions
10 reasons to study CyR
Admission procedure for master program
Open days
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For students

Links

CYBERNETICS AND ROBOTICS

Study programs

The Czech Technical University (CTU) in Prague, Faculty of Electrical Engineering (FEE) opens a bachelor and master degree study program **Cybernetics and Robotics**. This program builds on the tradition of the top-notch research at FEE. Its goal is to train experts in fields **where informatics and computer science meet the real world**: cybernetics, robotics, automatic control, measurement systems and instrumentation, aircraft and space systems. In these areas, FEE has a high international reputation for its research results, tuition quality, and long tradition in industrial cooperation.

For study in English, only one branch is offered in both the bachelor and the master program:

- Bachelor program: Systems and Control branch
- Master program: Robotics branch

Why should you study Cybernetics and Robotics at CTU FEE in Prague?

http://kybernetika.fel.cvut.cz/en/