

Czech Technical University in Prague

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Associate professor, Faculty of Mechanical Engineering



Czech Technical University in Prague

- Founded 1707
- 8 faculties
- 21 000 students





Czech Technical University in Prague

Faculties

- Civil Engineering
- Mechanical Engineering
- Electrical Engineering
- Nuclear Sciences and Physical Engineering
- Architecture
- Transportation Sciences
- Biomedical Engineering
- Information Technology





Faculty of Mechanical Engineering

- 15 departments
- ~3000 students





Faculty of Mechanical Engineering departments

Mechanics, Biomechanics and Mechatronics Instrumentation and Control Engineering Fluid Dynamics and Thermodynamics Designing and Machine Components Energy Engineering Environmental Engineering





Department of Instrumentation and Control Engineering

Departments general scope: Automation

Staff: 6 professors, 7 associate professors, 18 assistants, 16 PhD students

Teaching:

1st year ~500 students

2th year ~350 students

3th year ~250 students



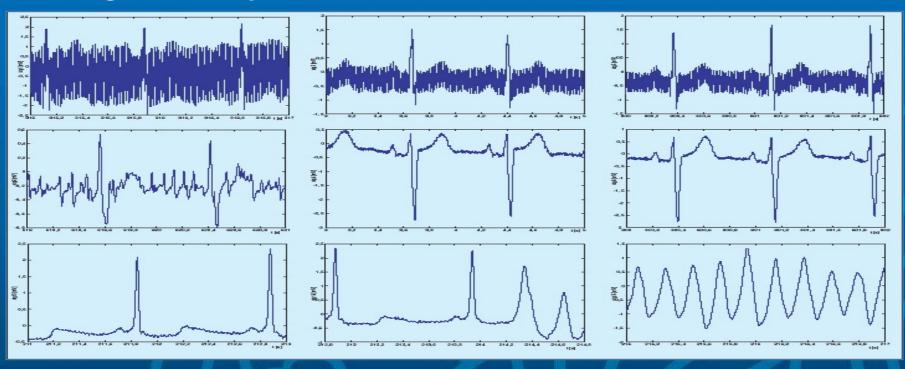
Department of Instrumentation and Control Engineering

Graduate students from the department (automation)

- ~ 50 per year (~20 master, rest. bachelor)
- Theoretical fundamentals of mechanical engineering (3 year bachelor)
- Information and Automation Technology (4 year bachelor)
- Automation and Instrumentation Technology (2 year master)



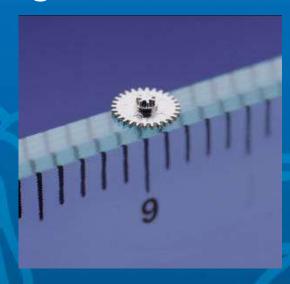
EKG signal analysis

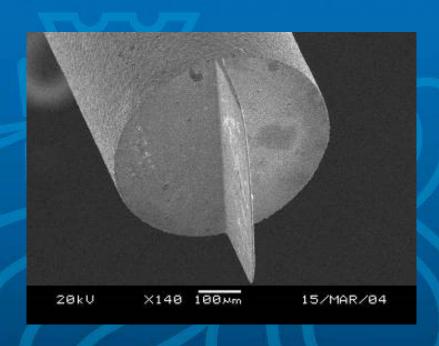




Micromanufacturing



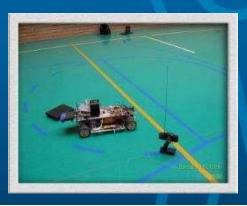






Control systems





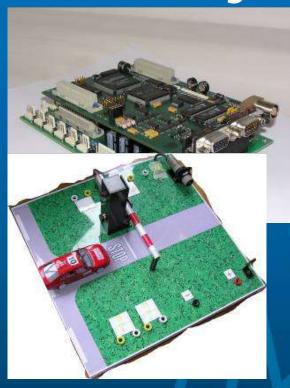








Electrical engineering labs

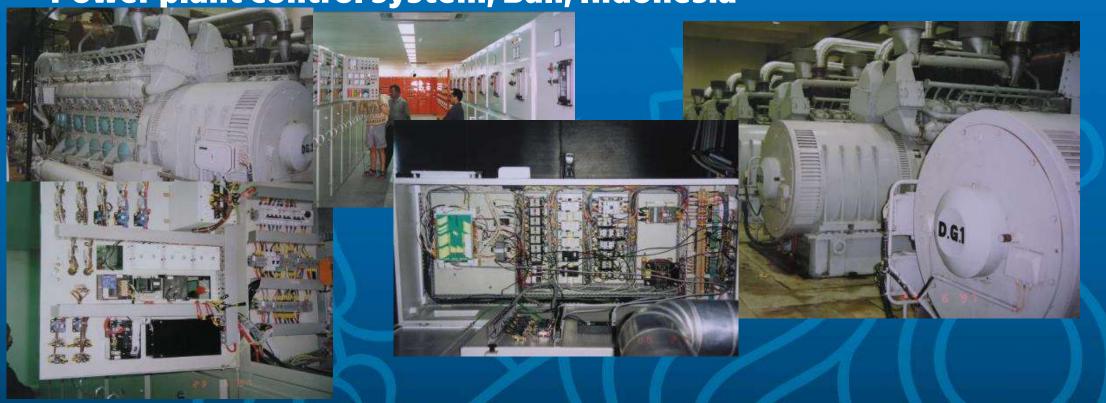






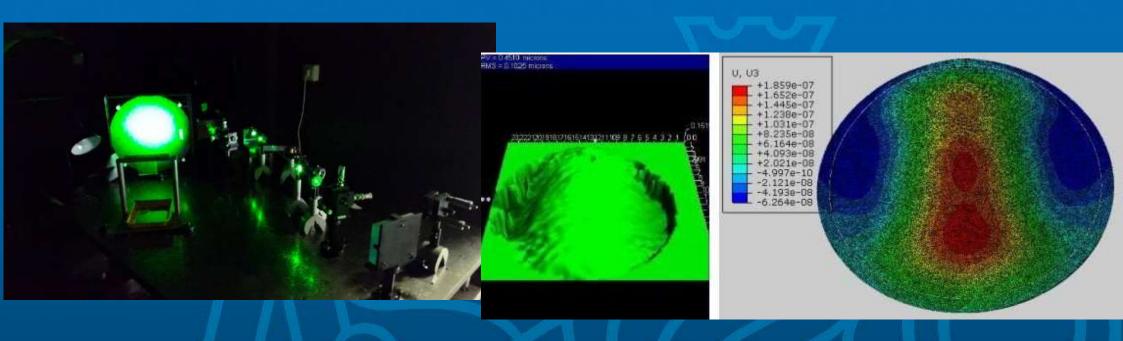


Power plant control system, Bali, Indonesia





Adaptive mirrors for lasers



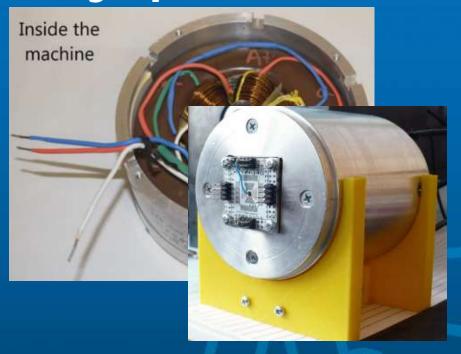


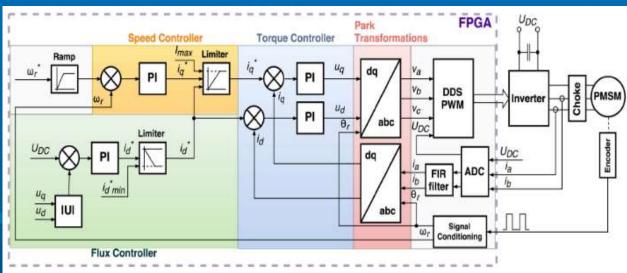
Collaboration with CERN, project OSQAR





High speed electric machines, control and power electronics





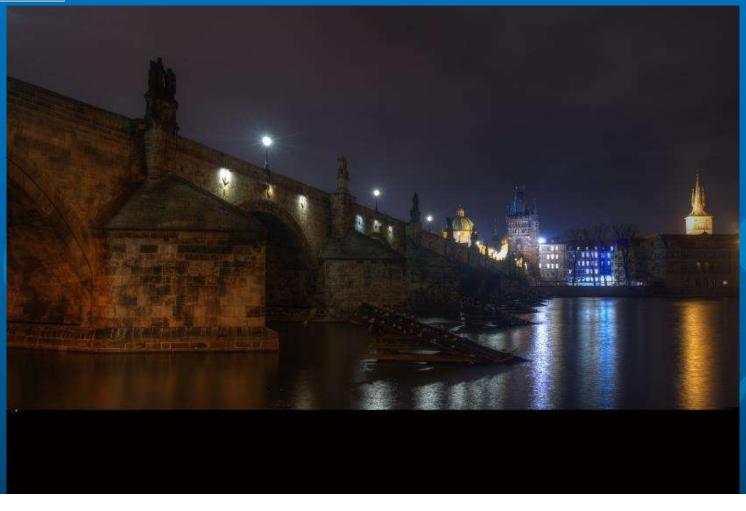


Design of devices for algae cultivation

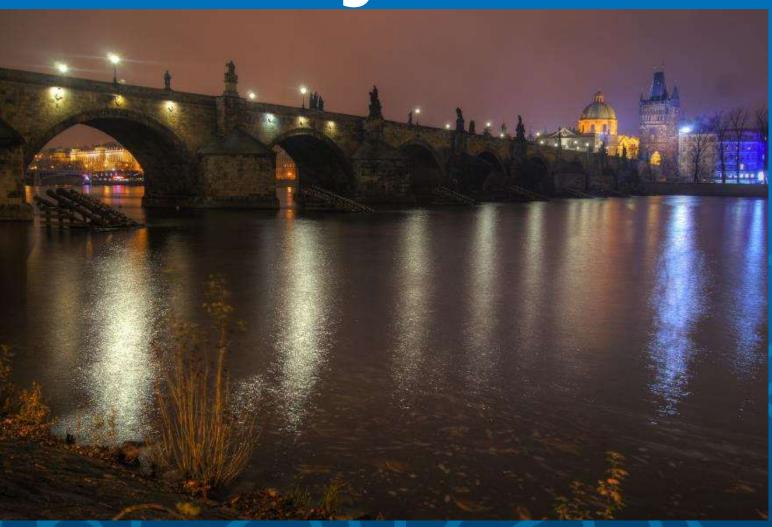






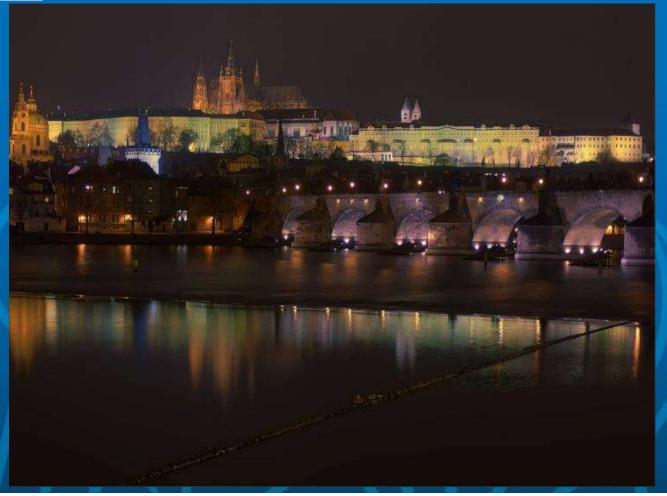












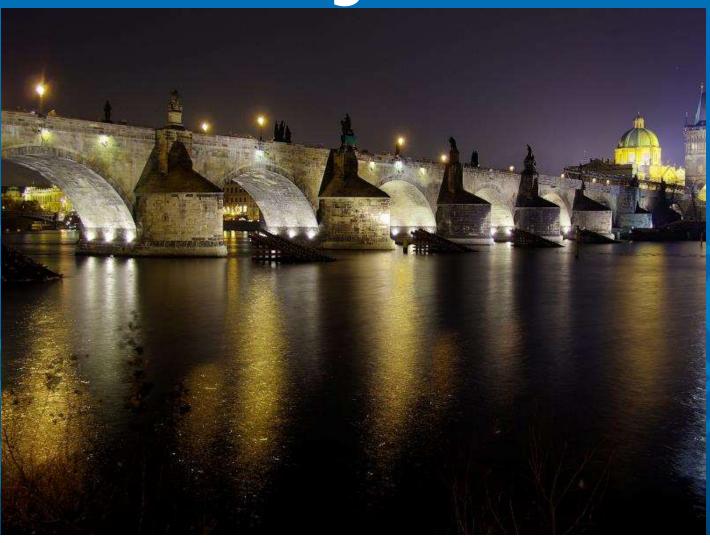






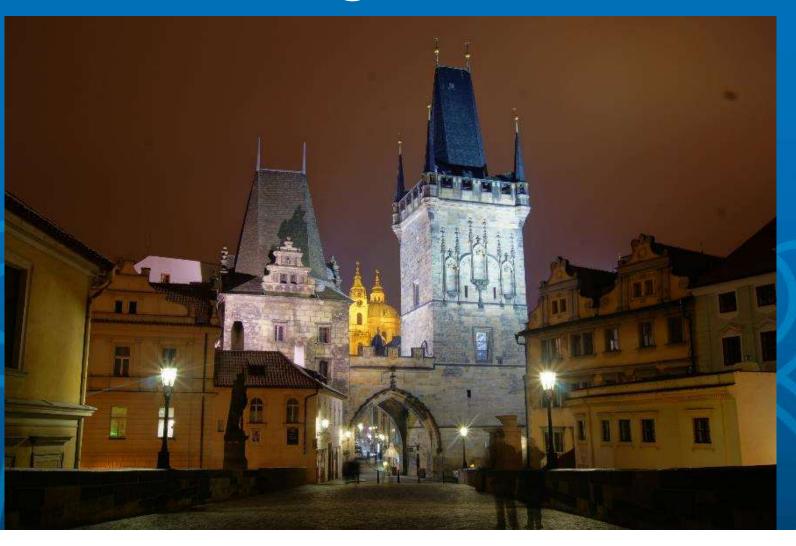














How can you come

Erasmus -> yes, for 1 or 2 semesters. Most classes are taught in English (not all),

see https://mobility.cvut.cz/prospectus/2020/

Internship at our department: yes



Questions?

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