



Czech Technical University in Prague

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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

Automotive, Combustion Engine and Railway 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

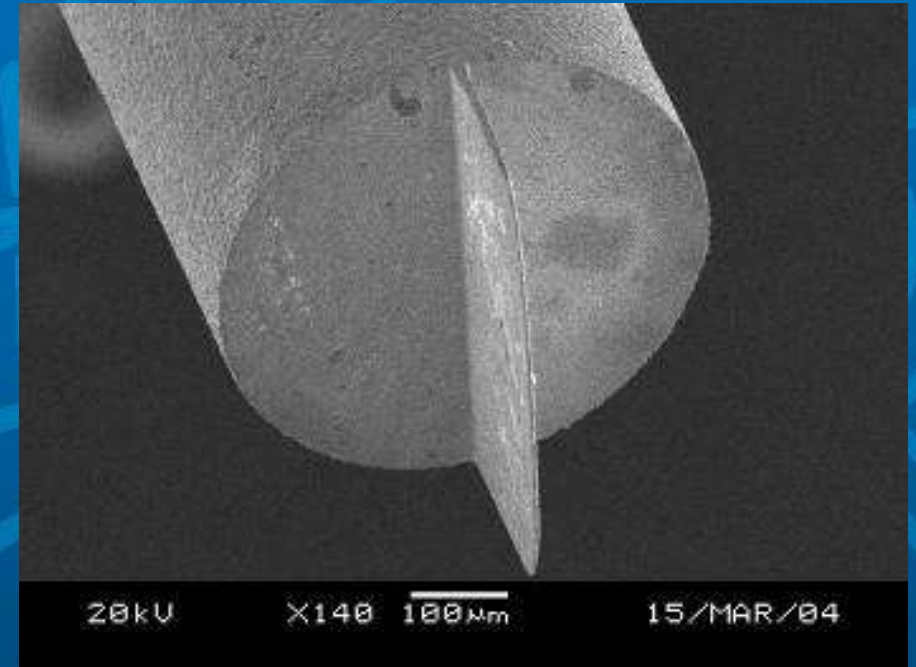
**Graduate students from the department (automation)
~ 50 per year (~20 master, rest. bachelor)**

- **Theoretical fundamentals of mechanical engineering (3 year bachelor)**
- **Information and Automation Technology (4 year bachelor)**
- **Automation and Instrumentation Technology (2 year master)**



Department of Instrumentation and Control Engineering Selected projects

Micromanufacturing

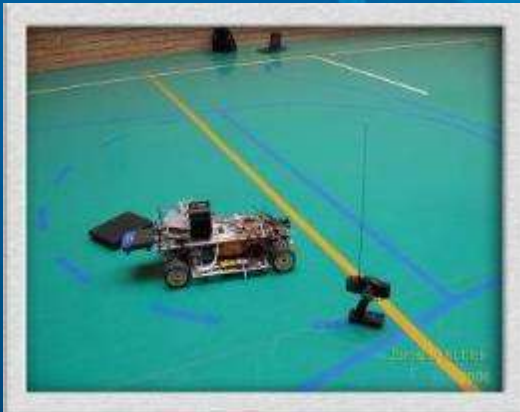
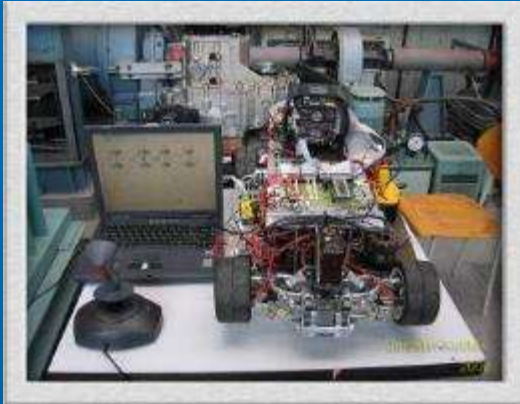




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Department of Instrumentation and Control Engineering Selected projects

Control systems



SMALL



Jízda proti pohyblivé
překážce

Jaroslav Kutílek 2006/2007

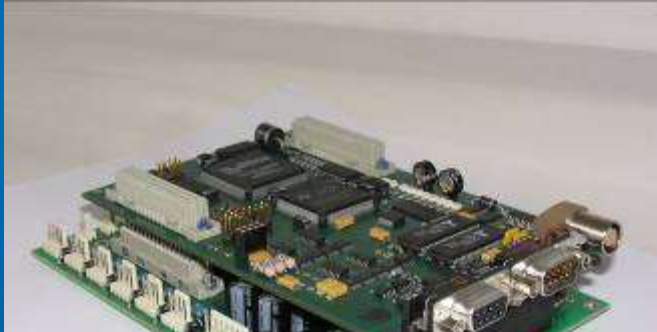




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Department of Instrumentation and Control Engineering Selected projects

Electrical engineering labs

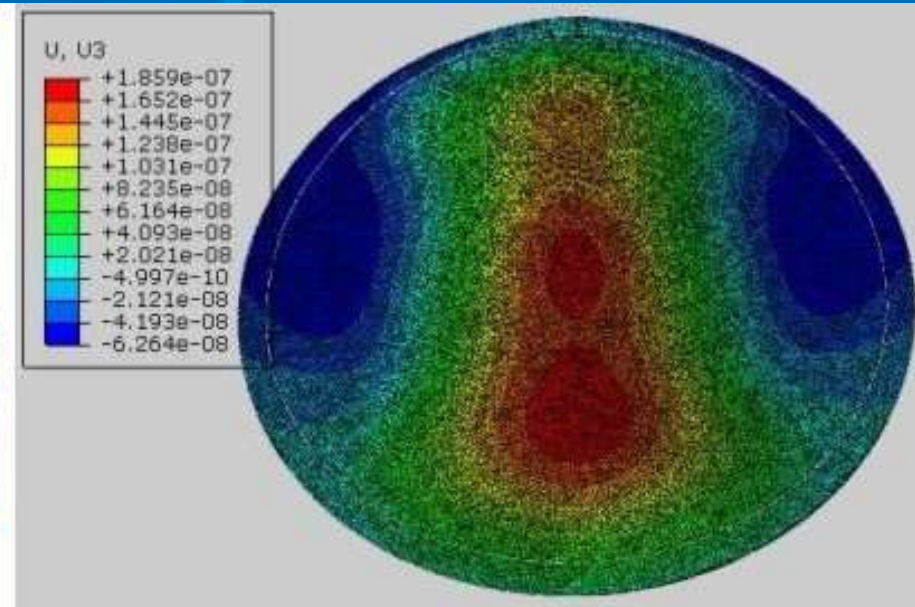
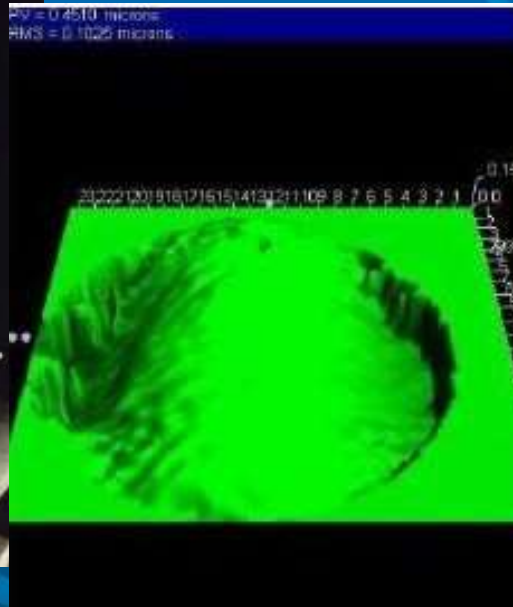
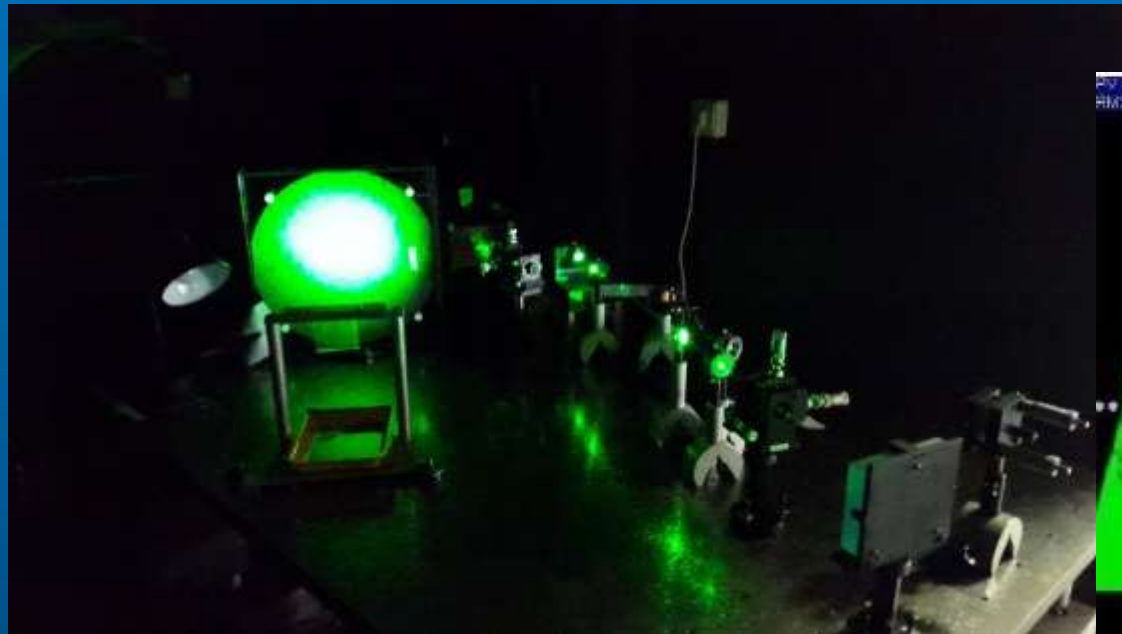




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Department of Instrumentation and Control Engineering Selected projects

Adaptive mirrors for lasers





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Collaboration with CERN, project OSQAR



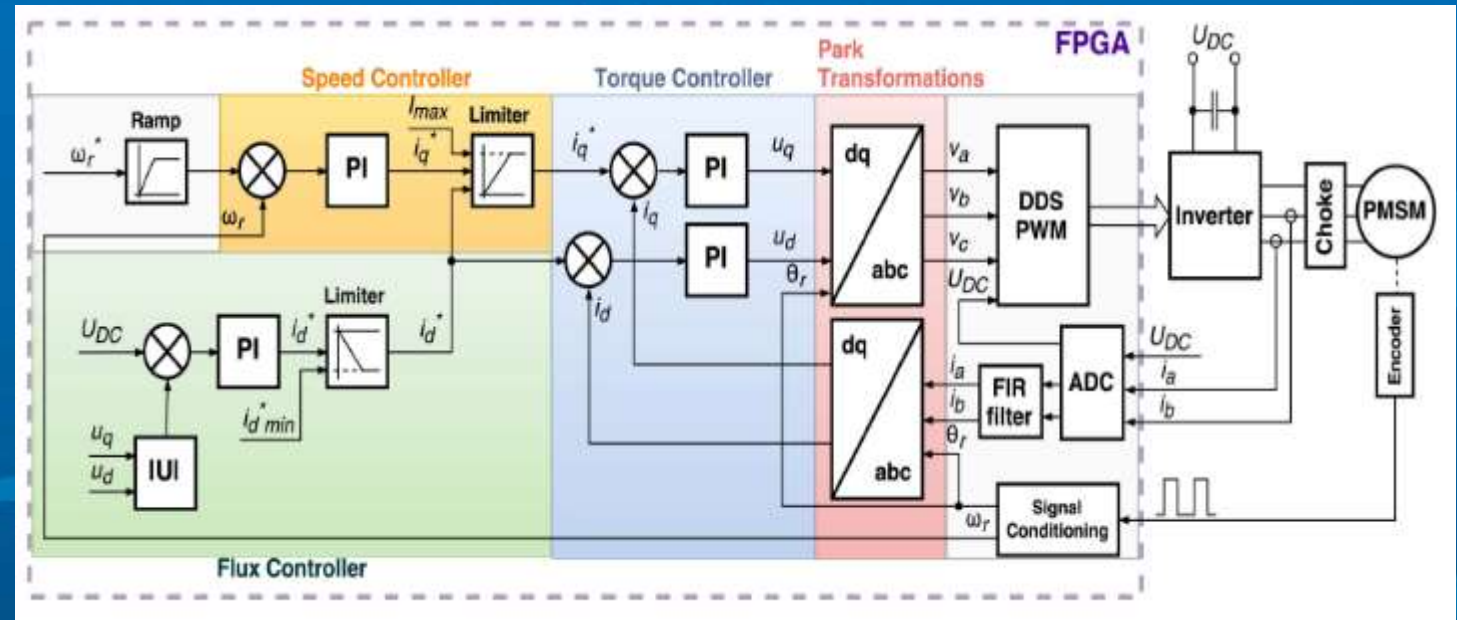
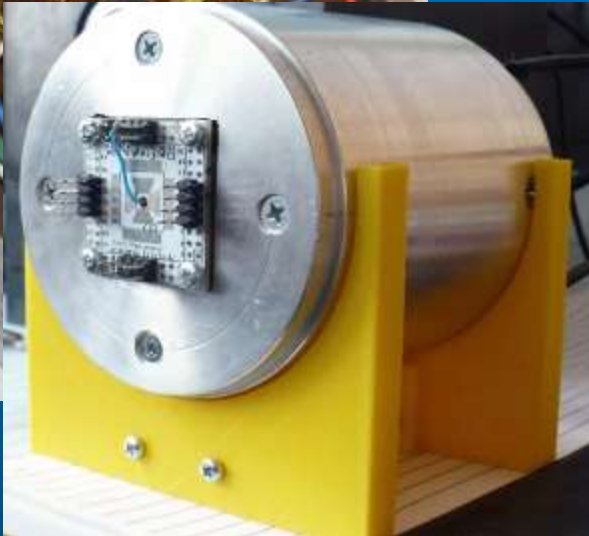


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Department of Instrumentation and Control Engineering Selected projects

High speed electric machines, control and power electronics

Inside the
machine





Department of Instrumentation and Control Engineering Selected projects

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 list here

<https://mobility.cvut.cz/prospectus/2023/>

Internship at our department (not payed): yes



Cost of life in Prague

Student residences – around 200 to 400 Euro/month

University student residences: <https://suz.cvut.cz/en>

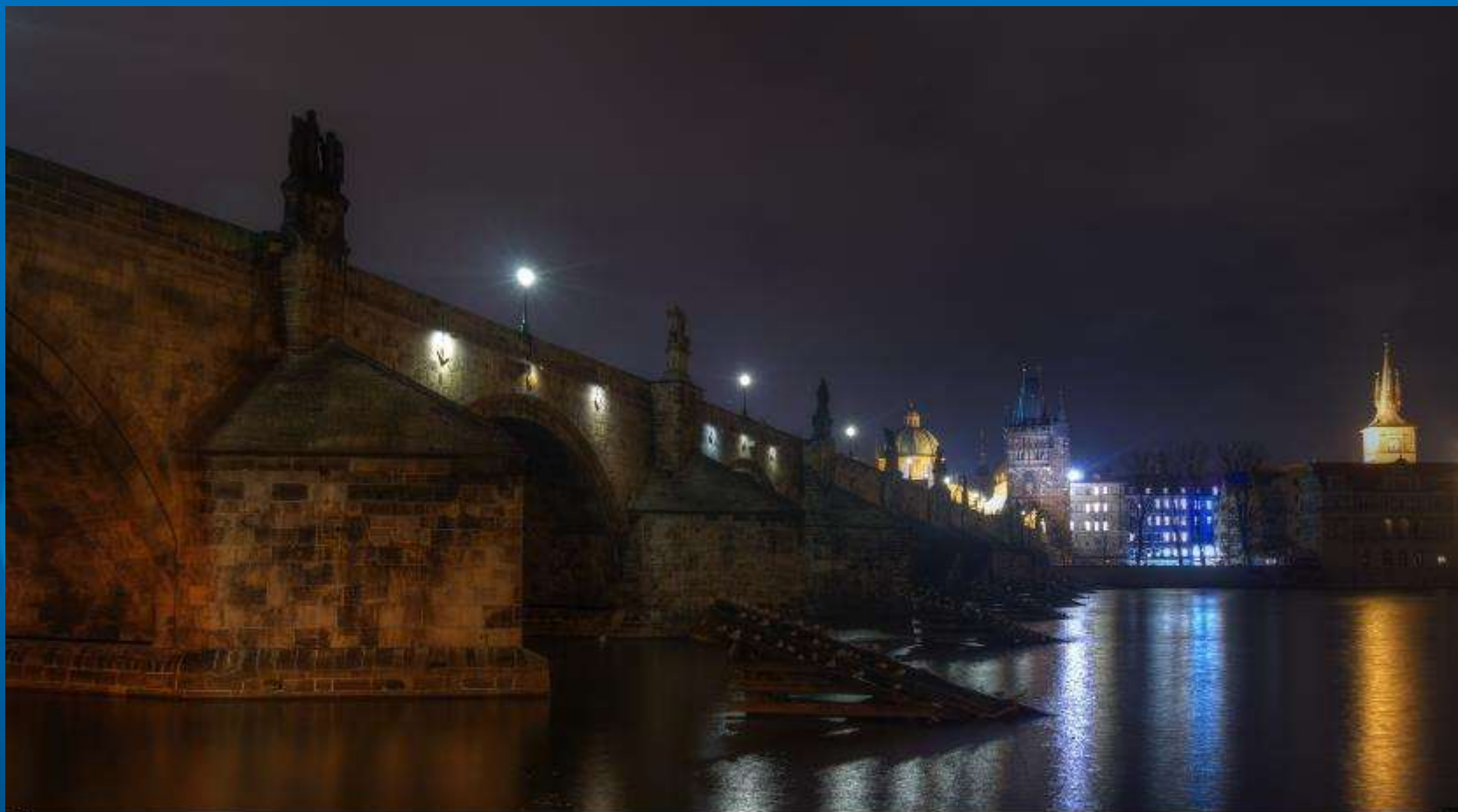
Lunch in restaurant – around 8 Euro

Bier in restaurant (0,5 liter) – around 2,5 Euro



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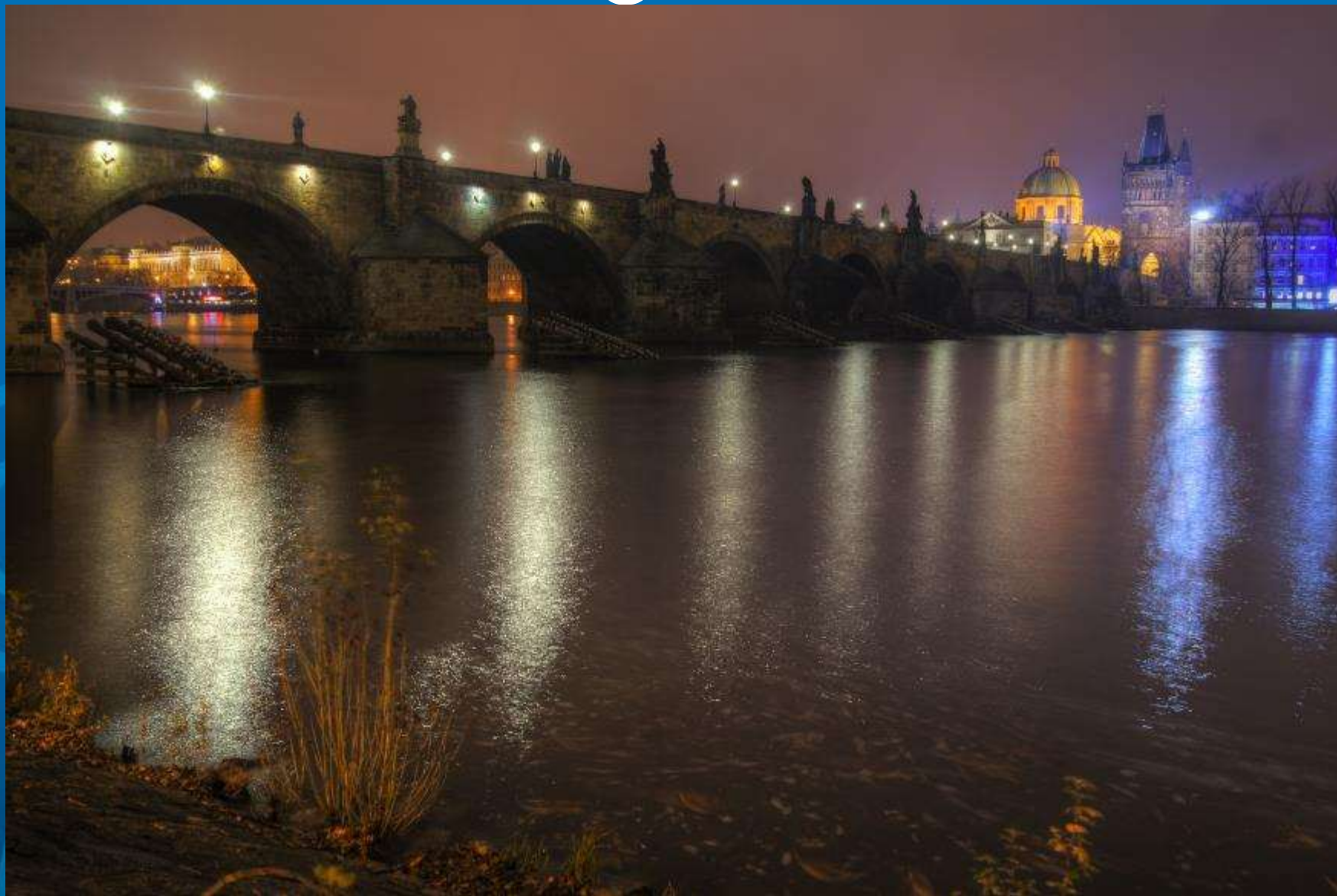
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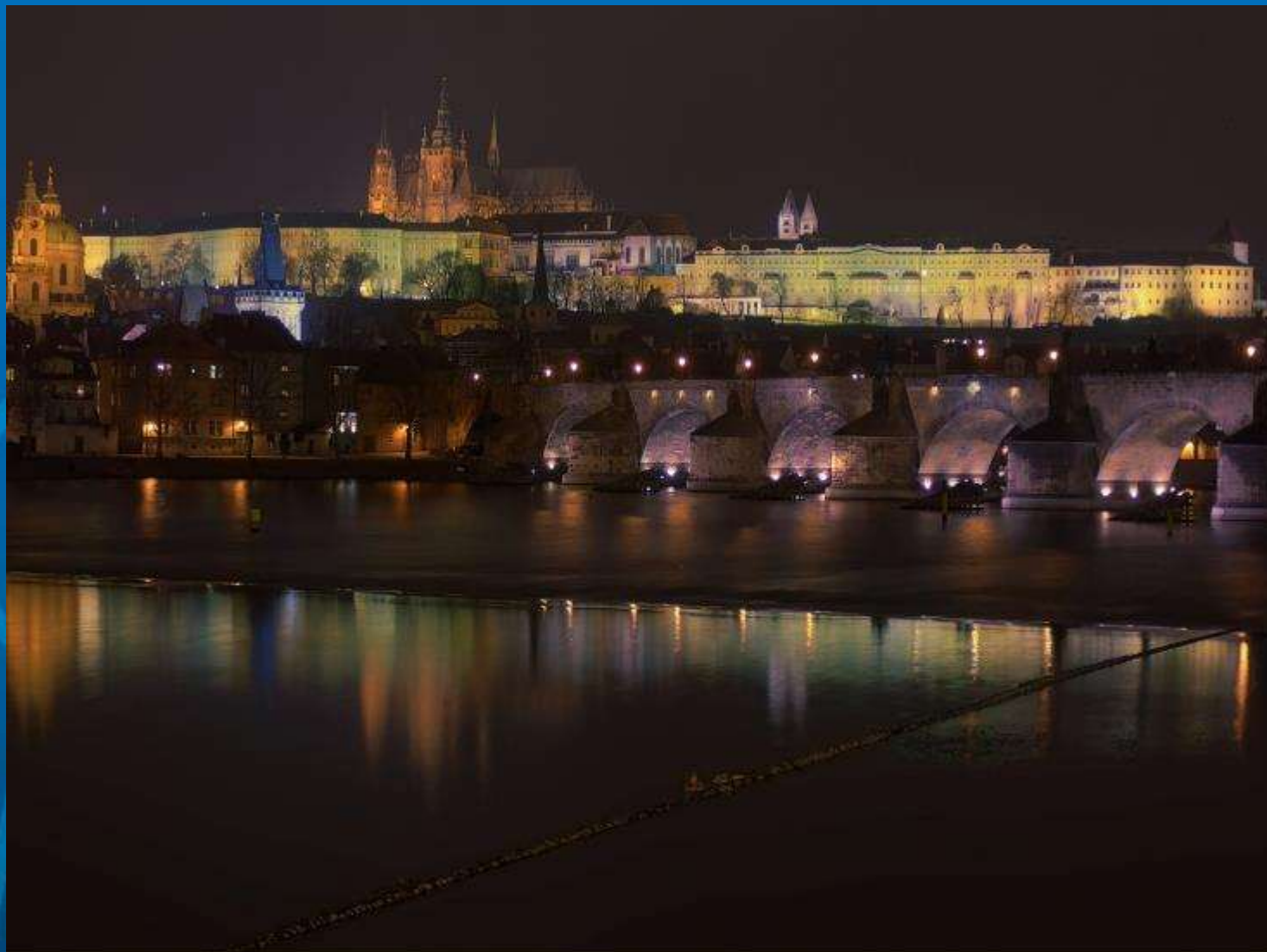
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Questions?

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