

# Practical Course: GPU Programming in Computer Vision

## Time line

- Lecture (September 17 - 21)
  - You made it till this point, congrats!!
- Project (September 24 - October 14)
  - Implement an advanced application assigned to your group
  - Group of three students
- Demo day (October 15)
  - Prepare a presentation and demo
  - Showing off what your group achieved throughout the project phase

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## Exercises

Grade bonus of 0.3 – 0.4:

- Deadline: **Sunday 11.59 p.m.**
- Hand in solution for all exercises (.zip)
  - folders `basic` and `src`
  - `readme.txt` (or `readme.pdf`) with written answers to questions and optionally additional compile instructions
- Each student has to hand in separately and code must be individual, i.e. copied code will not be graded and thus fail
- Grade bonus achieved, if 80% or more are correct
- Achieved grade bonus will be announced during project phase

## Project Phase

- Implement a computer vision algorithm in CUDA
- Form groups of three students per group, i.e. eight groups in total
- Let us know your group and your three preferred projects (ordered by preference) by **Friday 11.59 p.m.**
- **!!!Project workload is supposed to be full-time!!!**
- Meet your advisor regularly
- If we detect cheating, everyone involved gets the grade 5.0



## Demo day

- Prepare a presentation of 15–20 minutes per group
- Explain the assigned problem/project
- How did you proceed to solve it
- Each group member presents and describes his/her task in the project
- Show your results (and live demo if possible)