

## 5LSH0 – Computer Vision and 3D Data Processing

### Intro to Assignments



Egor Bondarev

Assistant Professor  
Head of 3D Vision Lab, VCA/SPS group, EE

Egor Bondarev, Clint Sebastian, Rafaella Imbriaco, Herman Groot, Tunc Alkanat, Peter de With  
(3D Vision Lab @ VCA group)



Responsible lecturer: e.bondarev@tue.nl



## 2 Materials

- I will send you email, once all materials are in place
  - Lecture slides, videos, assignments
  - Where to find it on a server



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## 3 First feedback

- How can we improve the lectures?
  - Shoot...
  - Workshop hour
  - More in depth few nets
  - 11 vs 7 for 2 weeks



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## 4 Second feedback in November

- Fill in the questionnaire after the exam period
  - Will help us to improve lectures and assignments



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## 5 Assignments

TU/e

- Execution
  - Select at least 3 assignments (more is a + for the grade)
    - Feature points detection. Short name → Features
    - Segmentation
    - Clustering
    - Retrain a neural network → DL Basic
    - Advanced: Create and train a neural network → DL Advanced
    - Advanced: Human re-identification → Re-ID
    - Advanced: 3D reconstruction using Structure from Motion → 3D-SfM-Drone
- Reporting
  - Write short report 1-2 pages for each assignment
    - Questions to answer are inside the assignment
  - Submit the report together with your source code
  - We sit together and briefly discuss your implementations
- Warning: Detected plagiarism in source code or report == subtracting 4 points from the grade.



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## 6 Assignments: Way of working

TU/e

- All of us are in FLUX 5.086
  - Herman [h.g.j.groot@tue.nl](mailto:h.g.j.groot@tue.nl) is guiding Re-ID Advanced
  - Clint [c.sebastian@tue.nl](mailto:c.sebastian@tue.nl) is guiding DL-simple, DL-Advanced
  - Raffaele [r.imbriaco@tue.nl](mailto:r.imbriaco@tue.nl) is guiding Features, 3D-SfM-Drone
  - Tunc [t.alkanat@tue.nl](mailto:t.alkanat@tue.nl) is guiding Clustering, Segmentation
- Try not to put high load on us
  - First try to solve problem, using web or colleagues **GOOGLE IS YOUR FRIEND**
  - Then write an email for appointment to related guide
  - Keep each meeting with your guide short – prepare questions well



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## 7 Assignments: Hardware

TU/e

- Drone
  - Drone is located in FLUX 5.086
  - You can use it any day
    - return the same day
    - fully charged
    - memory emptied
  - Register yourself with Rafaele when you take the drone
  - Be very careful, it costs 1000 euro
- GPU mini-monster
  - Its located FLUX 6.194
  - We create a single account for you all and send you an email on it
  - Store your data and results in your personal folder only (create it)
  - Its all yours from 10.09.18 till 30.10.18.
    - You can access it any time
    - Schedule the timing use among yourselves (use an online tool for this)



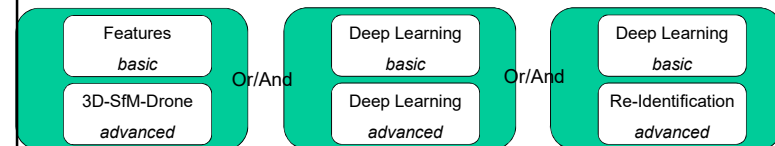
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## 8 Assignments: Select now

TU/e

- In the end, you should have 3 assignments selected (more: +1 to grade)
  - First, select at least one couple from here
    - You can select 2 of them or even 3



- Count now, if you have only 2 assignments, then top it up with the choice



- Read the assignments and give us your name and choice on my list
  - 30 minutes



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9 Scheduling oral exam in November

TU/e

- Approach Anja or Marieke
  - FLUX 5.092



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10 Success with the course assignment!

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