

Organization Lecturer

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- · Teaching Assistants
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- Course webpage
  - http://www.vision.rwth-aachen.de/teaching/
  - → Computer Vision
  - > Slides will be made available on the webpage
  - > There is also an L2P electronic repository
- · Please subscribe to the lecture on the Campus system!
  - Important to get email announcements and L2P access!

B. Leibe

Language

http://www.vision.rwth-aachen.de

leibe@vision.rwth-aachen.de

- · Official course language will be English
  - > If at least one English-speaking student is present.
  - > If not... you can choose.
- However...
  - > Please tell me when I'm talking too fast or when I should repeat something in German for better understanding!
  - > You may at any time ask questions in German!
  - > You may turn in your exercises in German.
  - > You may answer exam questions in German.

B. Leibe

Organization

- Structure: 3V (lecture) + 1Ü (exercises)
  - 6 EECS credits
  - > Part of the area "Applied Computer Science"
- · Place & Time

Tue 14:15 - 15:45 UMIC 025 Lecture: Lecture/Exercises: Thu 09:15 - 10:45 **UMIC 025** 

- > Planned as written exam
- We'll soon fix the date

**Course Webpage** Tentative Schedule Why vision? Applications, Challenges, Image Formation Binary Images, Thresholding, Morphology, Connected Components, Region Descriptor 14.10.14 Introduction 16.10.14 Image Processing I Tuesday: Matlab tutorial 23.10.14 Image Processing II F&P Chapter 7 28.10.14 Edge Detection F&P Chapter 8 Chamfer Matching, Line Fitting, Hough Transform, Gen. Hough Transform 30.10.14 Structure Extraction 04.11.14 no class (DIES Fachschaftsvollvers.) Thresholding, Morphology, Derivatives, Edges 06.11.14 Exercise 2 Segmentation as Clustering, k-means, EM, Mean-Shift 11.11.14 Segmentation I http://www.vision.rwth-aachen.de/teaching/

## **Exercises and Demos**

- Exercises
  - Typically 1 exercise sheet every 2 weeks (Matlab based)
  - > Hands-on experience with the algorithms from the lecture.
  - Send in your solutions the night before the exercise class. Need to reach ≥ 50% of the points to qualify for the exam!
- · Teams are encouraged!
  - You can form teams of up to 3 people for the exercises.
  - > Each team should only turn in one solution.
  - > But list the names of all team members in the submission.

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