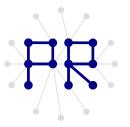
Medical Image Processing - Project Introduction



Joanna Czajkowska, PhD

Research Group for Pattern Recognition Institute for Vision and Graphics, University of Siegen

Place/Time

H-C 6336/37, 8:30 - 10:00

Lecturer

Dr. Eng. Joanna Czajkowska, H-B 6415, joanna.czajkowska@uni-siegen.de

Recommendation

Master Students in Computer Science

- 17.10 Introduction
- 24.10 Image Processing in Matlab
- 31.10 Pre- processing
- 14.11 Clustering
- 21.11 Region Growing / Fuzzy Connectedness
- 28.11 Mathematical Morphology
- 05.12 Object Properties
- 12.12 CAD Station State of the Art / Final Results

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- Consultation 19.12, 09.01, 16.01, 23.01, 30.01
- 06.02 Presentation

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Information

- Please bring your own laptop to the project course
- Please install the newest available Matlab version on your laptop

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- Registration for the course in the LSF is obligatory.
- Project is held every week according to the schedule given before.
- Presence on classes 1-8 and 15 is mandatory.
- Presence on classes 9-14 depends on the students needs.
- Each Student is allowed one unexcused absence during the semester. (classes 1-8 and 15). Each subsequent absence should be confirmed by a sick leave.
- For classes 9-14 the Student should present the progress of the work and can discuss with the lecturer the appearing problems.
- On the last class, Students should submit the results of their work (15 min presentation).

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- Students are required to work independently in the classroom.
- Presence on classes 1-8 and 15 is mandatory
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- Evaluation of the project is an arithmetic mean of the ratings for the presentation and the source code (with the specification).

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• Development of Methodology for Automatic Kidneys Segmentation in CT Images/Series



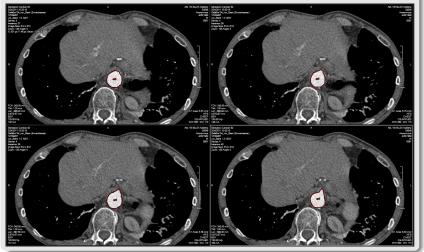
• Development of Methodology for Automatic Bones Segmentation in CT Images/Series



 Development of Methodology for Automatic Liver Segmentation in CT Images/Series



• Development of Methodology for Aorta Segmentation in CT Images/Series

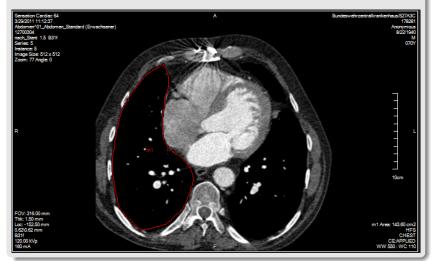


• Development of Methodology for Aortic Aneurysm Segmentation in CT Images/Series



12/14

• Development of Methodology for Automatic Lung Segmentation in CT Series



Medical Image Processing - Project

