Seminar

Medical Image Computing and e-Health

WS 20??/20??

Title

Name Student

Matr.-Nr.: XXXXXXX, Field of Study

Supervisor:

Name Supervisor

LÂ¸beck, October 28, 2020

Contents

1 Introduction

./images/Slogan$_{U}ni_{L}uebeck_{C}MYK$

This is an IMI TeX template for seminar papers (here: BSc seminar "Medizinische Informatik / eHealth, AI and Medical Image Computing - CS3703"). Contributors,

topics of the presentations, important dates, and supervisors are summarized in Table **??**. Further information can also be found in Moodle (Fig. **??**).

2 Seminar-specific Details

2.1 Dates

Important dates (in addition to Table **??**):

- Contact your supervisior before the **2020-10-30** to discuss the paper to be presented.
- Deadline for the final and approved version of the presentation: **2020-12-18**
- Abstract over 300 to 500 word due on **2020-12-18**
- Deadline for seminar papers: **2021-02-28**. We highly recommend to send the paper to your supervisor well in advance (approx. 2 weeks before deadline) to allow him/her to suggest improvements etc..
- Last date for the resubmission of the articles approved by the supervisor: **2021-03-31**

Presence at all presentations is of course mandatory (if possible; otherwise please send an email to your supervisor).

2.2 Guidelines

2.2.1 Presentation

Presentation time is approximately 30 min + discussion for Bachelor students. Please note that the contents should be presented in an easy-to-understand manner, i.e. all participants of the seminar should be able to follow your presentation! Powerpoint and LaTeX (Beamer) templates are provided on Moodle. Using other layouts and file formats is of course possible. To prevent technical issues (problems with video codecs etc.) we recommend that you bring your own notebook.

2.2.2 Paper

The seminar paper should roughly span 8-10 pages and be sent to the supervisor by email in pdf file format.

Table 1: Topics of the presentations **two years ago**.

Speaker	Topic [Literature]	Supervisor
J. Niemeijer	Hough transforms	M. Wilms
D. Labitzke	Optimal Surface Segmentation in Volumetric Images – A Graph-Theoretic Approach (cf. [**?**])	M. Wilms
A. Bostelmann	Graph Cuts for image segmentation	O. Maier
D. Conrad	Texture descriptors and their application to medical images	O. Maier
E. Franke	Image Segmentation Using Deformable Models: Parametric Deformable Models	J. KrÂ¸ger
N. Broecker	Image Segmentation Using Deformable Models:Geometric Deformable Models	J. KrÂ¸ger
L. Pankert	Visualization in Medicine: Volume Rendering with raycasting	J. Ehrhardt
T. Langer	Visualization in Medicine: Surface Rendering using the Marching Cubes Algorithm	J. Ehrhardt
M. Caspe	Volumetric Ultrasound Stitching	D. Fortmeier
H. TËnnies	Surface-based Palpation Haptics	D. Fortmeier
P. Kling	A Content Model for the ICD-11 Revision	J. Ingenerf
S. Heusel	MeSHy: Mining unanticipated PubMed information using frequencies of occurrences and concurrences of MeSH terms	J. Ingenerf
K. Soika	What is bioinformatics? An introduction and overview	B. Andersen
M. Licht	How (not) to protect genomic data privacy in a distributed network: using trail re-identification to evaluate and design anonymity protection systems	J. Ingenerf
J. Fleckner	Adverse events in medicine: Easy to count, complicated to understand, and complex to prevent	A.-K. Kock
A. Wiegmann	An automated technique for identifying associations between medications, laboratory results and problems	A.-K. Kock
J.-H. Mathes	Organization of Heterogeneous Scientific Data Using the EAV/CR Representation	B. Andersen
F. Simon	Structured Reporting: Patient Care Enhancement or Productivity Nightmare?	A.-K. Kock

(a)(b)

Fig. 1: Two times (**??** and **??**) the Moodle page for this seminar.