



MIDAS LAB – Seminar WS 2021/2022

PD Dr. Sergios Gatidis, Dr. Thomas Küstner, Dr. Tobias Hepp

Date (in UTC+2)	Topic	Speaker
20.10.21 3 pm	Physical Principles to Freeze Physiologic Motion in MRI	Küstner
27.10.21 3 pm	CLAIM: Checklist for AI in Medical Imaging	Gatidis
03.11.21 3 pm	Update on Adipose Tissue Segmentation in the German National Cohort	Haueise
10.11.21 3 pm		(open)
17.11.21 3 pm		(cancelled)
24.11.21 3 pm	Single Shot Organ Segmentation through time	Früh
01.12.21 3 pm	Uncertainty Estimation & Robustness in Deep Neural Networks	Upadhyay
01.12.21 3:30 pm		Hepp
08.12.21 3 pm		(open)
15.12.21 3 pm	Learning Feature Representations with K-means for pathology image segmentation	Agrawal
22.12.21 3 pm	Christmas seminar	
29.12.21 - 05.01.22	<i>Christmas break</i>	
12.01.22 3 pm	Normalizing Flows	Putzky

19.01.22 3 pm	Cardiac MR image reconstruction leveraging spatio-temporal redundancies in image and k-space	Siyang Xu (student)
19.01.22 3:30 pm	MR motion artefact detection in epidemiological cohorts	Lu Xiao (student)
19.01.22 4 pm	DL-Based Locally Low-Rank Approximation for Medical Image Reconstruction	Jonathan Fuss (student)
26.01.22 3 pm	Transformer and attention mechanisms	Fischer
02.02.22 3 pm	Compositional representation learning	Cobos
09.02.22 3 pm		Blum
16.02.22 3 pm	Deep Clustering in Medical Imaging	Kart
23.02.22 3 pm	Detection & Analysis of Spontaneous Muscular Activities in Diffusion-Weighted Imaging	Schwartz
02.03.22 3 pm		(open)
09.03.22 3 pm	Learning-based and unrolled motion-compensated reconstruction for cardiac MR CINE imaging	Pan
16.03.22 3 pm	Basics of Deep Learning for Inverse Problems in Imaging	Hammernik
23.03.22 3 pm	Introduction to Causality in Machine Learning	Fay
30.03.22	<i>ISBI</i>	
06.04.22 3 pm	Temporal-aware super resolution for cardiac CINE MR	Yuxiang Guo (student)