



MIDAS LAB – Seminar SS 2021

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

Date (in UTC+2)	Topic	Speaker
21.04.21 3 pm	Deep-learning based super-resolution for 3D isotropic coronary MR angiography in less than a minute	Küstner
28.04.21 4 pm	Machine learning for hybrid imaging	Gatidis
05.05.21 3 pm	<i>Cancelled</i>	
12.05.21 3 pm	Evaluation and optimization of non-rigid registration in k-space	Aya Ghouli (student)
12.05.21 3:30 pm	Plug-and-play priors for MR motion artifact detection and correction	Lu Xiao (student)
19.05.21	<i>ISMIRM</i>	
26.05.21 3 pm	Optical Flow Estimation in Computer Vision	Jiazhen Pan (TUM)
02.06.21 3 pm	Deep learning-based motion-corrected reconstruction of time-resolved MRI	Andreas Wagner (student)
02.06.21 3:30 pm	Investigation on the efficacy of plug and play priors and unrolled physics-based deep-learning MR image reconstruction	Siyang Xu (student)
09.06.21 3 pm	Weakly supervised segmentation of tumor lesions in PET-CT hybrid imaging	Früh
16.06.21 3 pm	Medical Representation Learning for therapy response and data integration	Agrawal
23.06.21 3 pm	Image segmentation with Generative Models: Using Conditional Independence as a means to perform Unsupervised Image Segmentation	Putzky

30.06.21 3 pm	Towards increasing explainability of dermoscopic diagnosis	Cobos
07.07.21	<i>MIDL</i>	
14.07.21 3 pm	Explainable and Robust Deep Learning Models in Histopathology	Duc
21.07.21 3 pm	Uncertainty, Approximate inference and Sampling Methods – Part I	Hepp
28.07.21 3 pm	Uncertainty, Approximate inference and Sampling Methods – Part II	Hepp
04.08.21 - 25.08.21	<i>Summer break</i>	
01.09.21 3 pm	Complex-valued deep-learning super resolution for cardiac CINE MR imaging	Yuxiang Guo (student)
08.09.21 3 pm	Contrastive Learning	Fischer
15.09.21 3 pm	Clinical studies and planned projects at the Nuclear Medicine Department	Blum
22.09.21 3 pm	Active Learning: An Overview	Liebgott
29.09.21	<i>MICCAI</i>	
06.10.21	<i>ESMRMB</i>	
13.10.21	<i>ICCV</i>	