

# Code Sprint 2020: Benchmarking Deep Learning based CT Image Reconstruction Methods

## Program

Day	Time (CEST)	Description
Monday June 15	10:00 - 10:15 10:15 - 11:15  11:15 - 11:30 16:00 - 16:30	Welcome by the organizers Opening lecture by Prof. Dr. Peter Maass (University of Bremen, Germany): <i>Deep learning for CT image reconstruction</i> Divide into subgroups Virtual coffee break
Tuesday June 16	10:00 - 11:00  11:00 - 11.30  16:00 - 16:30	Lecture by Dr. Tatiana Bubba (University of Helsinki, Finland): <i>Deep neural networks for inverse problems with pseudodifferential operators: the case of limited angle tomography</i> Industrial lecture & introduction of apple CT data by Dr. Anna Trull (GREEFA b.v., Tricht, the Netherlands): <i>Deep learning &amp; CT for fruit sorting and quality control</i> Virtual coffee break
Wednesday June 17	10:00 - 11:00  16:00 - 16:30	Lecture by Dr. Christian Etmann (University of Cambridge, UK): <i>iUNets: Fully-invertible U-Nets for Memory-Constrained Applications</i> Virtual coffee break
Thursday June 18	16:00 - 16:30	Virtual coffee break
Friday June 19	15:00 - 16:00 16:00 - 16:30	Plenary discussion of intermediate results Virtual coffee break
Monday June 22	16:00 - 16:30	Virtual coffee break
Tuesday June 23	16:00 - 16:30	Virtual coffee break
Wednesday June 24	14:00 - 15:30 15:30 - 16:00	Results submission & Presentations of subgroups Plenary discussion, future outlook and next steps