HELMHOLTZ
IMAGING

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Computational Imaging@DESY

We will present the work and expertise of the Computational Imaging Group at DESY. Being founded in mathematics, we provide expertise in inverse problems as well as theoretical foundations of machine learning methods. We give an overview of mathematical methods in imaging and applications thereof, in particular algorithms for reducing computational cost in large scale problems. Moreover, we give insight into theoretically founded training of robust or sparse neural networks.

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