We proudly announce the next joint Data Science Colloquium. This seventh event will take place **online on July 8th, 2021 at 2 pm** featuring

Prof. Ullrich Köthe

*Group Leader in the Visual Learning Lab Heidelberg*

*Interdisciplinary Center for Scientific Computing (IWR)*

*University of Heidelberg*

**Invertible Neural Networks and their Applications in the Sciences**

Invertible neural networks (INNs) are designed to run efficiently in both the forward (from inputs to outputs) and backward direction (from outputs to inputs). This unique capability opens up many interesting opportunities for uncertainty quantification, concept disentanglement and interpretability, and the efficient Bayesian treatment of inverse problems.

The talk will introduce the basic concepts behind INNs and highlights applications in image analysis and epidemiological modelling.

Session Chair: Prof. Matthias Rarey

Subscription Link for Regular Updates and Zoom Links: [https://lists.desy.de/sympa/subscribe/datasciencecolloquium](https://lists.desy.de/sympa/subscribe/datasciencecolloquium)