21.05.2019, 13:00 - 17:00 Uhr

MACHINE LEARNING for PHYSICS for

MichaelStifelCenterJena
for Data-Driven and Simulation Science

Im Kleinen Rosensaal

(Fürstengraben 27, 07743 Jena)

Programm:

13:00 - 13:10 Uhr	Bernd Brügmann, Joachim Giesen - Begrüßung
13:10 - 13:50 Uhr	Karl Mannheim (Keynote) - From correlation to causality - machine-learning in physics and astronomy
13:50 - 14:10 Uhr	Soeren Laue - GENO: GENeric Optimization for machine learning with an example from physics
14:10 - 14:30 Uhr	Kaffeepause
14:30 - 14:50 Uhr	Jakob Runge - Perspectives for causal inference in earth system sciences
14:50 - 15:10 Uhr	Maha Shadaydeh - Detection and attribution of extreme events in earth observation time series
15:10 - 15:30 Uhr	Bernd Brügmann - Deep learning for gravitational wave data analysis
15:30 - 15:50 Uhr	Frank Nussbaum, Joachim Giesen - Sparse + low rank models
15:50 - 16:10 Uhr	Kaffeepause
16:10 - 16:30 Uhr	Rainer Heintzmann - The inverse modelling toolbox
16:30 - 17:00 Uhr	Joachim Denzler, Markus Reichstein (Capstone) - Understanding the earth system with machine learning