



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

# Uncertainty Quantification in High-Dimensional Chaotic Systems using Bayesian Deep Learning

Master Thesis

Marc Bär

March, 2019

Advisors: Prof. Dr. P. Koumoutsakos, Dr. G. Arampatzis, P. Vlachas

Computational Science and Engineering Laboratory

D-MAVT, ETH Zurich