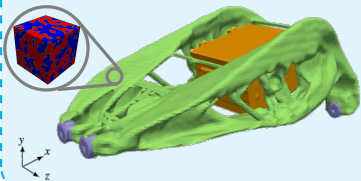


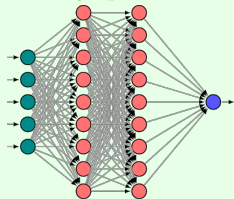
Design under uncertainty



physics-based machine
learning models for structures

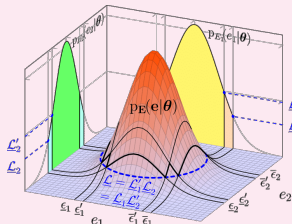
application to structural design

Machine learning for uncertainty quantification



verify and validate designs

Data-driven model validation framework



validate machine
learning-assisted models