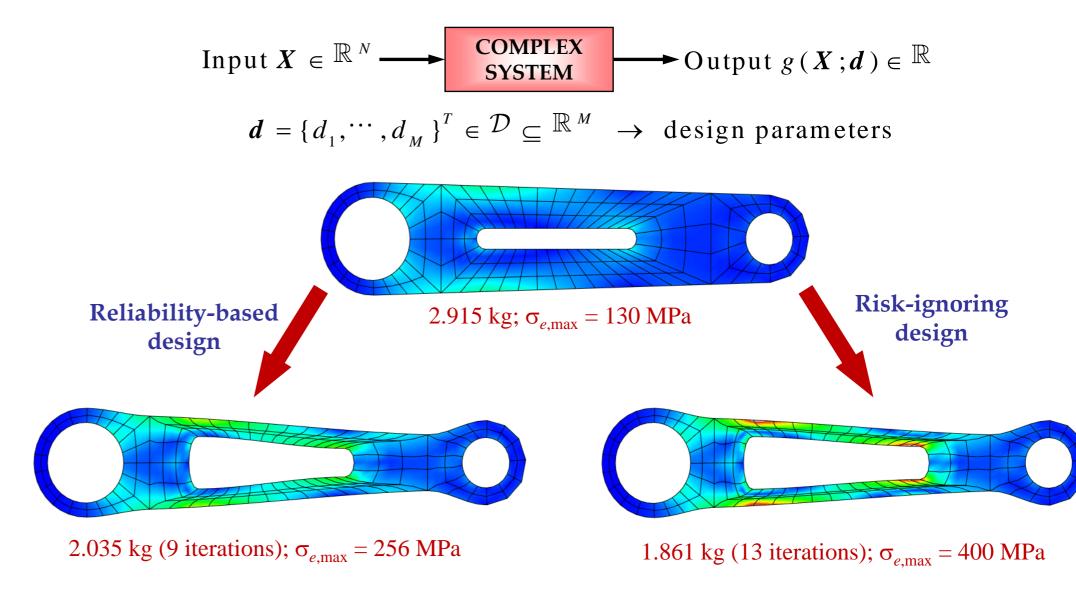
Computational Stochastic Mechanics Prof. Sharif Rahman

- Uncertainty quantification of high-dimensional complex systems
- Random eigenvalue problems in computational dynamics
- Reliability-based optimization of mechanical systems
- Stochastic computing in science and engineering



New reliability-based design methods were developed for shape optimization of a torque arm commonly used in automotive systems