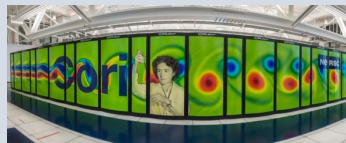


- **Optimal kernels to optimal solutions**

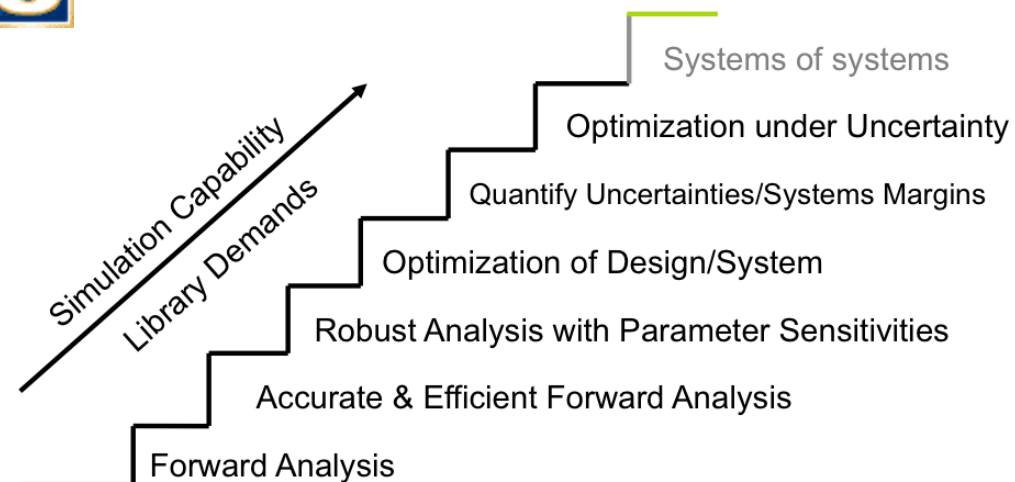
- Geometry, meshing
- Discretization, load balancing
- Scalable linear, nonlinear, eigen, transient, optimization, UQ solvers
- Scalable I/O, GPU, manycore
- Performance Portability Across Multiple Platforms provided by **Kokkos**

- **60+ packages**

- Other distributions: Cray LIBSCI, Github repo
- Thousands of users, worldwide distribution
- Laptops to leadership systems



Transforming Computational Analysis To Support High Consequence Decisions



Each stage requires *greater performance* and *error control* of prior stages:
**Always will need: more accurate and scalable methods.
more sophisticated tools.**