«Curiosity and creativity drive our research directions along with potential impact. We are continuously exploring new research areas and applications, which is what I find exciting.»

Professor Kristina Shea
We develop cutting-edge computational methods to automate design and fabrication, and to optimize complex engineered systems and products. Current topics include computational design, applied artificial intelligence, design for additive manufacturing and 4D printing across a wide variety of application fields. We are a multi-disciplinary, international and diverse group of curious and creative people with a strong network of international colleagues.

Focus

- Generative design
- Multi-disciplinary design optimization
- 3D and 4D printing
- Product development

Tools and methods

- Computational design and optimization methods
- Applied artificial intelligence methods
- 3D printing
- Mechanical testing

Further details online: www.edac.ethz.ch