The Design Computing exhibition shows a variety of research and work done on the application of data and computational tools in the field of architecture and design. The exhibition is run in the form of a video exhibition, where design computing is taught, and not about the final form of designs.

Design computing is not a style.

Computing and technology is part of every activity. It is a sort of thinking and looking at architecture as an ecosystem. Computational design provides a vocabulary through which we can connect people and things as actors on many different scales. It allows for collaboration, but also for disassembly, and other experiments are equally facilitated through this vocabulary. Within the exhibition, you will find examples of projects using design computing, and how design processes are informed by design computing.

Design computing is not architecture first, computer second.

How does the architectural discipline change when we talk about a design computing project of interest? Although computers and technology are at the heart of design processes, they are not at the early stage of understanding human behavior. We do not always understand the impact of design decisions on the final result of the design process. As can be seen, design decisions can lead to unexpected outcomes. Computer hardware also threatens life on this planet. We need a different way of thinking, designing, building, and managing that better balances human needs and environmental impact. We need a different way of thinking that is more adaptable to future changes. The way we think about and design buildings will need to evolve.

Schools in design computing

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Companies in design computing

Computational design is the paradigm of the "comparative learning board" and is highly successful in the building and construction industry, because it replaced the old hand-based processes in many ways. This is a new discipline, and it did not start with a big bang. Rather, it evolved over time. Through these processes, we have realized that design decisions can lead to unexpected outcomes. Computer hardware also threatens life on this planet. We need a different way of thinking, designing, building, and managing that better balances human needs and environmental impact. We need a different way of thinking that is more adaptable to future changes. The way we think about and design buildings will need to evolve.

Design computing is architecture

The exhibition shows how the meaning of design shifts over time and how they apply design computing in their work. Our hope is that students can use this exhibition to learn about new techniques, and to get inspired by the work of other designers. The exhibition is connected with the students research conference Design Computing (11.10.2018), joined by students from various universities around the world.