



# Program

9.00	<b>Introduction by Dean Philip J. Binning</b>
9.10	<b>Key note (part 1): Experiments in learning design: Creating space for creativity and continuity in design education by Dr. Tim Stratford, University of Edinburgh</b>
10	<b>Workshop: Creativity, complexity and compromise in design</b>
11.15	<b>Key note (part 2): Challenges to open-ended guided learning by Dr. Tim Stratford</b>
11.40	<b>Implementation of design thinking in DTU programs and courses</b> ➤ <b>Group discussions</b> ➤ <b>Summary in plenum by Philip J. Binning</b>
12.30	<b><i>Sandwiches, networking</i></b>
13.00	<b>Seminar closing</b>

## Background

The vision of  **cdio**<sup>™</sup> is

“to educate students who understand how to  
**C**onceive - **D**esign - **I**mplement - **O**perate  
complex value-added engineering systems  
in a modern team-based engineering  
environment”

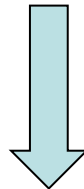
*Or “to educate...*

***Engineers who can engineer!”***

# Background

Core engineering competency:

To be able to create innovative solutions to problems that have not been tackled before



All engineering students should learn to

- analyse problems and their context
- conceive and design solutions addressing complex problems

# How?

How do the students learn to design?

- Individual courses and projects
- Coordination across a study program
  - progression through the program

Various types of design tasks

- Overall solution design ("complex design")
- Detailed technical design (calculations etc.)

## Room for improvement?

We can always improve!

- e.g. by getting inspiration from colleagues at other universities.

Today:

Experiences from the School of Engineering, University of Edinburgh

**“Creating space for creativity and continuity in design education”**

By *Dr. Tom Stratford*



