

EuroTech Seminar

# Stimuli responsive materials based on liquid crystals



**9 March 2022**

15:00-16:00 CET

Zoom link:

<https://dtudk.zoom.us/j/69617401479>

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Polymers which respond to a stimulus by changing their properties are one of the focal points in materials science. The self-assembly of liquid crystals has proven to be a useful tool in the development of such soft materials. Liquid crystalline polymer materials are appealing since microscopic changes in the molecular order and orientation lead to programmed macroscopic changes in shape and optical properties. In my lecture, stimuli responsive materials will be discussed that can be applied as soft actuators, robots, color changing materials and sensors.