CITA

center for informations tchnoligi og akitektur

from the Royal Danish Academy of fine Arts

Copenhagen

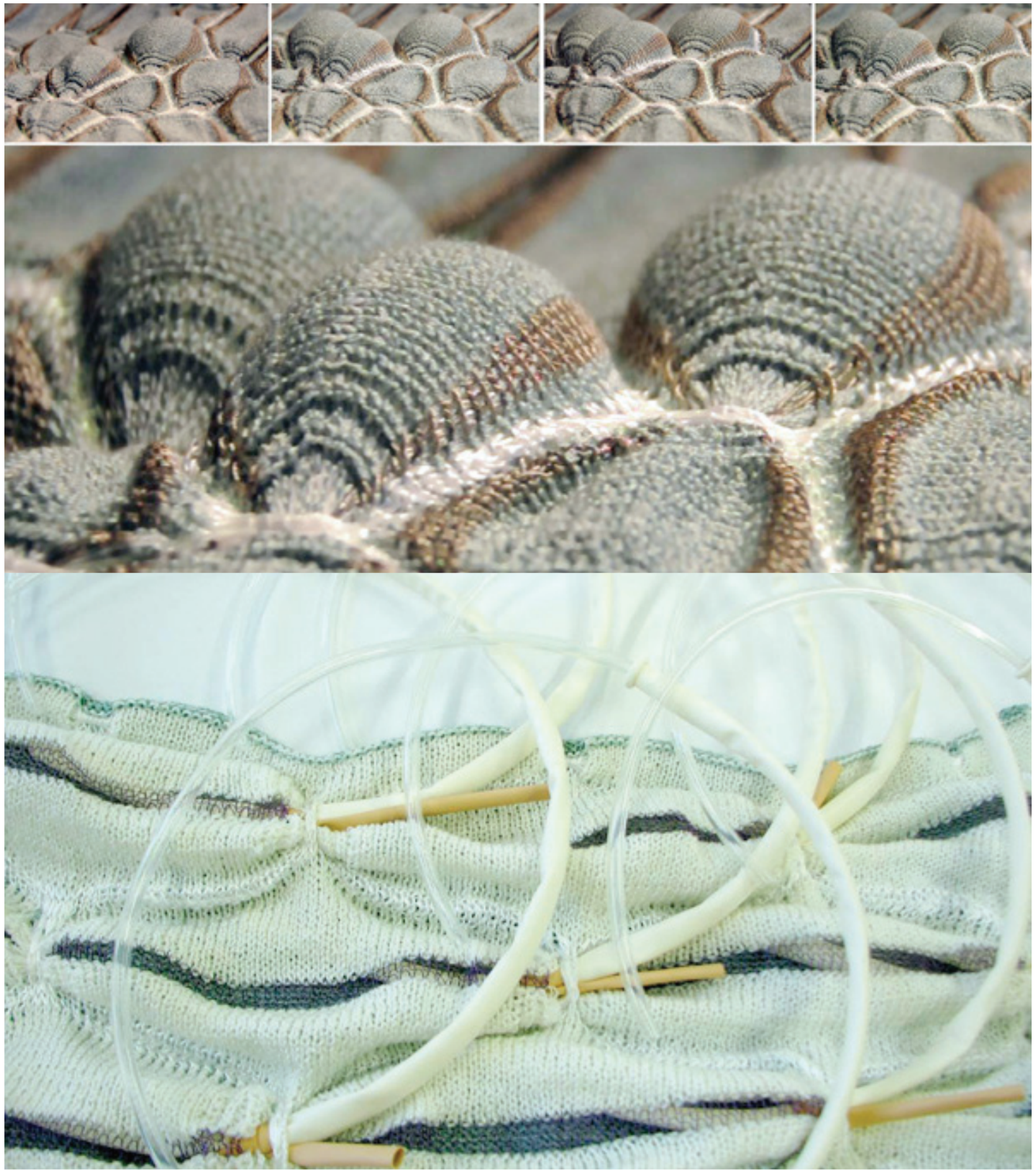
CITA
Center for Informations Teknologi og Arkitektur

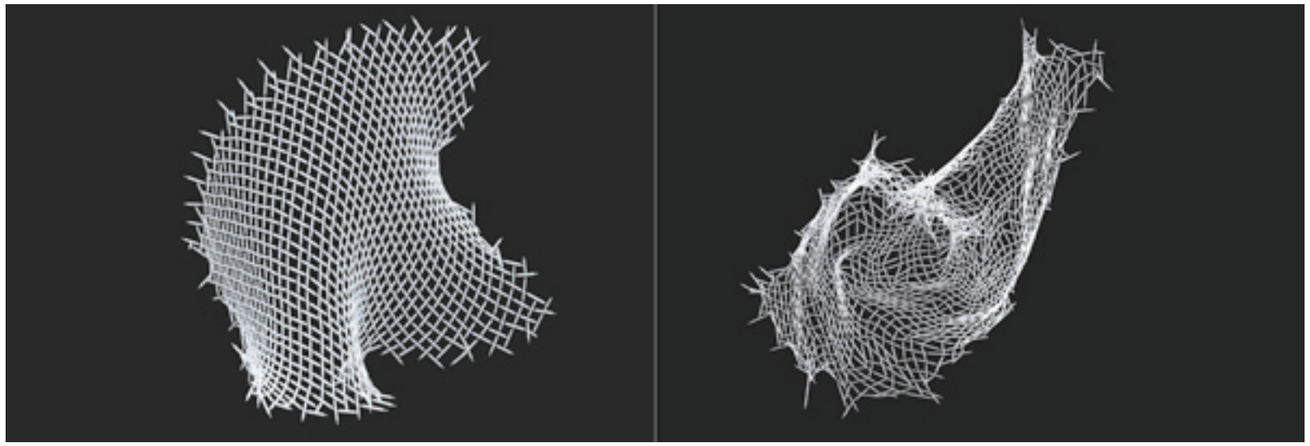
Mette Ramsgard Thomsen

CITA is an innovative research environment exploring the emergent intersections between architecture and digital technologies. Identifying core research questions into how space and technology can be probed, CITA seeks to investigate how the current forming of a digital culture impacts on architectural thinking and practice.

LISTENER, CNC Knitting

Listener explores the idea of a textile membrane that has an inherent capacity to sense and react to its surrounding. Collapsing the idea of the controlled and the controlling, Listener is the making of a material that has its own, autonomous, relationship to its environment. The textile is treated as a composite material that through its inherent conductivity allows for the passing of computational signals, but also through its exceptional structural strength, and through its treatment, gains new properties.



LAMELLA FLOCK

Lamella Flock investigates new possibilities of creating freeform structures in wood. Where this is at the moment achieved through the use of resource heavy production techniques using glue lam, complex joints, and 5-axis milling our research shows that freeform surface structures can be constructed by the use of straight beam elements.