

Origami Engineering and Design

Chairs: **Pino Trogu**, San Francisco State University
Filip Jelínek, Austrian Center for Medical Innovation and Technology

In this workshop Pino Trogu and Filip Jelínek discuss the design of origami models of which many are bio-inspired (muscle, DNA, cells, etc.) and show certain kinematic principles (e.g. contraction by torsion). They will even make some parallels to existing/future medical devices (e.g. transformation from capsule to snare).

Presentation:

R. Stoute, Origami assembly platform for smart medical instruments

Wednesday, October 5th, 2016

10:00 – 12:00

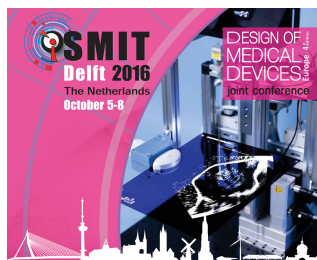
Senaatszaal

Delft University of Technology

TU Delft – Aula

Above: Bioinspired and rotational models by Giorgio Scarpa.
 Additional models: Lorenzo Bocca.
 Bioinspired biopsy prototype: Filip Jelínek.

Cover: Giorgio Scarpa holding a dodecahedral chain of 120 specular modules, circa 1970.
 Photo: Giorgio Cireddu



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