

Project Title	Origami muscle
Supervisor	Dr Majid Taghavi
Theme	Neurotechnology and Robotics
Project Type	Lab based
Project Description	<p>Origami is a technique for folding paper in order to create 3D structures from 2D sheets and thus provides a simple fabrication method for developing sophisticated structures.</p> <p>Origami has been received growing attention in the robotics community because of its potential for miniaturization and reconfiguration. Origami can help robots achieve considerable change in size, and to adapt their shapes in order to undertake tasks such as locomotion and manipulation in a varied environment.</p> <p>In this project, we will use a novel electronic actuation concept to turn the origami structures into active muscles performing a useful task for a robot.</p>