Simulation system for surgical intubation

Status: Available

Group Members:

Sponsor(s): Dr. Carolyn Sparrey

Supervisor(s): Carolyn Sparrey, PhD, P.Eng. Associate Professor, Mechatronic Systems Engineering

Project Description

Physical systems to train future surgeons are becoming increasingly common. While there are many existing manikin systems – few accurately mimic the behavior of soft tissues. Importantly, these systems are also needed to mimic injured or sick individuals, not average healthy individuals.

algary, we aim to design a new physical system to
tubation procedure. This work will involve
sign solutions to accurately simulate the tissue
g instrumented surgical tools to enable linking this
t interest/capabilities.