

# Implementation and assessment of Assistance-as-Needed Virtual Fixtures for Surgical Training with a *da Vinci* surgical robot: an experimental study

*Politecnico di Milano - Master of Science in Biomedical Engineering*

*Academic year 2022/2023*

Candidate: *Alberto Rota*  
Supervisor: *prof. Elena de Momi*

## Abstract

This is the abstract of the essay

## 1 Introduction

Since its advent in the middle of the 1980s, robotic surgery has revolutionized the healthcare industry introducing safer, more efficient and more cost-effective solutions to the challenges of surgical practices. By embracing robotic devices in a collaborative effort, surgeons and medical practitioners have been empowered with tools that have been engineered to enhance their skill and optimize the outcomes for the patient. Test citation of [?] and of [?]