

Mechatronics in healthcare: Research for VRES, final year and PhD

contact: research.qut.edu.au/biofabrication/

Augmented Reality



HoloLens + Haptic input device for AR medical 3D modelling

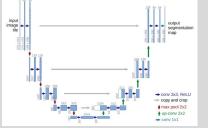


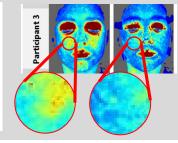


3D scanner & Al



Clinical 3D scanner H/W & S/W development AI based image analysis



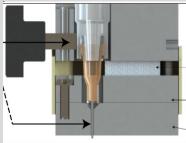


3D Printer H/W



3D printer engineering, 3D high temperature plastics, photocurable resins, micron-scale architectures





Metamaterials



3D printing H/W for metamaterials, S/W and FEA of structures, anatomical and force sensing, Soft robotics for dynamic bioreactor design

