

Department of Electronic Engineering

Sam E John

BE(Medical Electronics) VTU India, ME (Electronics) LTU Australia

Room: R&D Park

Phone: +61 3 9479 2989

Email: sejohn@latrobe.edu.au

Research

Mr Sam John has a background in medical electronics (BE) and electronic engineering (ME). His research area is visual neuroscience, electrophysiology and medical bionics. As part of my PhD I am looking at the spatio-temporal cortical responses to electrical stimulation of the visual system. This will enable optimised electrical stimulation for a bionic eye that is safe and effective. My project is cross disciplinary and is supported by a team of highly specialised neuroscientists and experts in medical bionics at the Bionic ear institute. This project aims to restore sight to a large population of blind people suffering from Retinitis Pigmentosa and Age related macula degeneration.