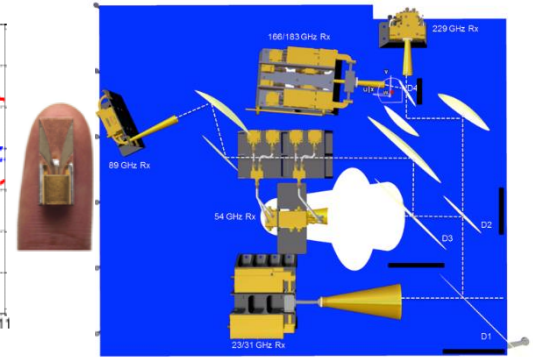
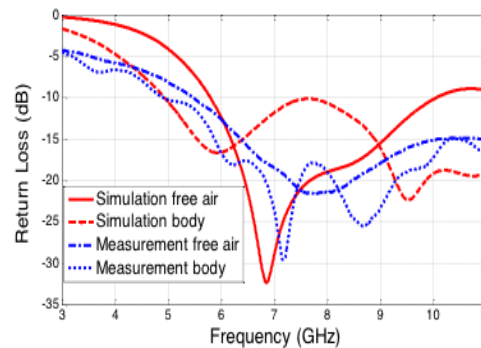
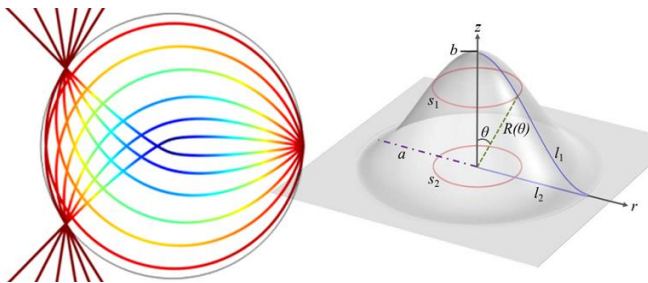
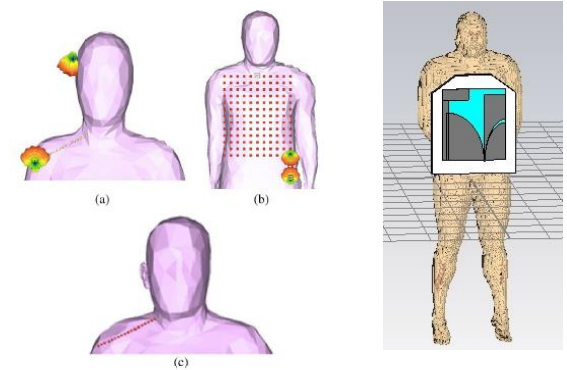


Antennas and Electromagnetics

Professor Clive Parini

Introduction

- We undertake a wide range of antenna and propagation research spanning the frequency domain of 400MHz to several THz
- Delivered through
 - 11 Academic Staff
 - 3 Technical Support Staff
 - About 50 Post Docs & PhD students



Group Research Activities

- Graphene and Nanomicrowave
- Metamaterials and Transformation Optics
- Antennas for Mobile and Satellite Communications
- Body-Centric Wireless Communications
- Bio-electromagnetics for Healthcare and Security Applications
- Coherent THz Spectrometry in Chemistry and Biology
- Quasi-optics and Millimetre-wave/THz Antennas and Devices
- Active and Reconfigurable Antennas and Microwave Devices
- Cognitive Radio and Machine-to-Machine Communications
- Antennas and Wireless UWB for Localisation and Tele-control
- Antenna Metrology Theory and Applications
- High power Microwave and Millimetrewave sources



QUEST

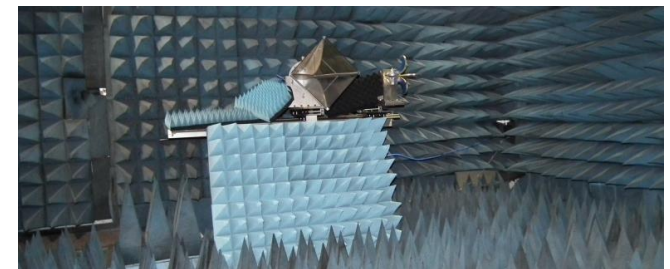
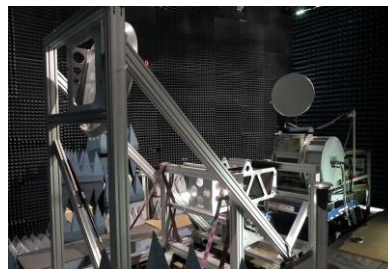
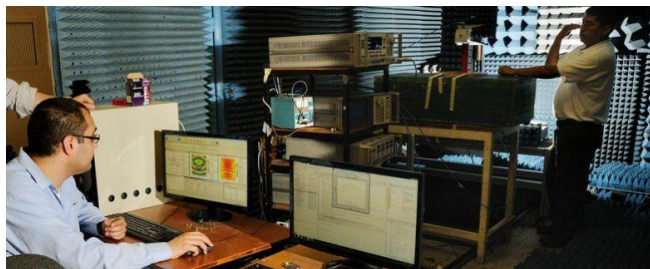
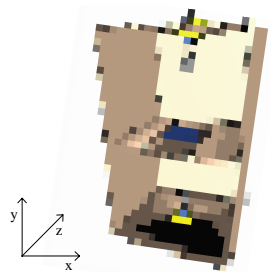
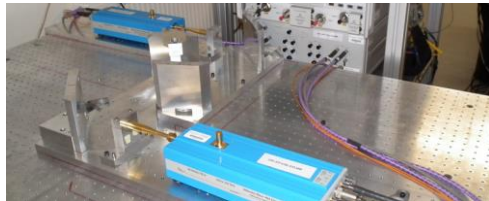
EPSRC
Pioneering research
and skills



WEIGHTLESS™

 Queen Mary
University of London

Antenna Measurement Laboratory



Antennas & Electromagnetics Research Group



THz-TDS
test bench

THz Laboratory

QO EM
characterisation
test bench

RF/MW
EM material
characterisation
chamber

High Power
Microwave Lab

Antennas & Electromagnetics Laboratory

Body-Centric
Lab

Compact Antenna
Test Range - CATR

NSI – planar
near-field test range

Antenna Test Ranges

mm-CATR

EMC far-field test range

Multi-purpose EM anechoic chamber