

2012 - 2013

List of Staff Areas of Interests – (staff will also supervise a wide range of other areas)

Name	Room	Areas of Interest
Dr M Antoniou	213	Bi and multi-static radar systems, passive radar, imaging radar, radar imaging processing.
Dr TN Arvanitis	429	Medical information systems, software agents, communication networks, distributed computing.
Mr PR Atkins	412	Sensors, underground mapping, signal-processing, sonar systems, navigation, radio and acoustic communications.
Prof C Baber	135	Human factors integration, body-wearable computers, pervasive computing, augmented reality.
Dr MA Brdys	NG19	Intelligent control systems, environmental systems (drinking water, wastewater), modelling and hierarchical control of complex systems, servo target tracking at sea, optimisation.
Dr S Bull	319	Artificial intelligence in education, adaptive systems, learner modelling, user modelling, personalization.
Dr G Castellano	317	context-based social perception, affect recognition from the face and body, multimodal affect-sensitive human-computer and human-robot interaction
Prof M Cherniakov	113A	Mobile communication systems, radar systems and sensors.
Dr PA Childs	513	'refer to School Research Themes'
Dr T Collins	125	Signal processing, building and underwater acoustics, electronics, audio and music processing.
Dr CC Constantinou	209	Communications Networks (protocols, simulation, radio networks), Electromagnetics (Radio Propagation, Radio System Planning, Antennas), Radio Systems.
Dr N Cooke	313	Gaze and speech centric multimodal interaction. Interactive 3D serious games.
Dr A Feresidis	417	Antennas for modern wireless communication systems, electromagnetic meta-materials and applications, microwave circuits.
Dr P Gardner	431	Microwave circuits, active antennas, radio receivers and transmitters.
Dr M Gashinova	416	bistatic radars, signal processing, theoretical modelling in propagation and numerical techniques for microwave structures modelling and design
Dr H Ghafouri-Shiraz	208	Optical fiber communications, Optical Devices, Optical Networks, Microwave Devices and Microstrip Antennas for Wireless Communications.
Dr S Hillmansen	119	Power electronics, energy conversion, railway systems, finite-element analysis.
Dr F Huang	215	Passive microwave components, filters.
Dr T. Jackson	517	Characterisation of materials at microwave frequencies.
Dr P Jancovic	518	Robust Speech Recognition, Speech Processing, Noise Reduction, Audio-Visual Speech Processing, Pattern Recognition, Digital Signal Processing.
Prof MJ Lancaster	129	Microwave components, antennas.
Dr M Oussalah	214	Social Network, Location Based Services, Text and Data mining, Object Tracking, Information Fusion
Mr D Pycock	411	Computer vision, medical image interpretation, Active Vision, Colour Image Processing, Medical and Physiotherapy Electronics, radar signal processing
Dr SF Quigley	115	Digital systems (VHDL), reconfigurable computing.
Prof MJ Russell	132	Speech recognition, Pattern recognition, Information retrieval and data mining, Complex distributed systems, Biologically-inspired computational techniques, Mathematical modelling, computer analysis of very large text corpora.
Dr PA Smith	519	Novel devices for communication filters, electromagnetic modelling, materials for communications applications. Communications components.
Dr M Spann	415	Vision systems, digital signal processing, pattern recognition, internet-based applications.
Mr EJ Stewart	120	Condition monitoring, microprocessor based instrument systems, railway

		systems.
Prof R J Stone	131	Virtual Reality, "Serious Games" and Simulation; Augmented Reality; Virtual Heritage; Medical Technologies and Simulation; Telerobotics; Human Factors.
Dr E Tarte	318	Superconducting materials.
Dr P Tricoli	118	Power electronics, electrical machines and drives, energy storage for railways, power converters for renewable energy sources.
Prof XP Zhang	312	Micro-generation and micro grid. Power systems economics, smart grids. Embedded generation.

Staff on leave for the 2012-13 Academic Year – or part of (not available for Projects**):**

Professor C Roberts
Dr SI Woolley