

Observing Peers from Other Departments in the Faculty of Engineering

You are strongly encouraged to observe teaching from outside your department. This can be an excellent way of sharing good practice and extending your network. The individuals below have been nominated by their DUGS as outstanding teachers and may be approached for observation. Forms 1, 3 and 3b may again be used to record observations.

Name	Department	Teaching Interests (see also personal websites)
Allison, Peter	Earth Science and Engineering	<ul style="list-style-type: none"> • Geology; Palaeontology • Use of anecdotes in teaching
Balint, Daniel	Mechanical Engineering	<ul style="list-style-type: none"> • Mathematics (first year); Computational Continuum Mechanics; Theory and Simulation of Materials on PhD level topics: Crystal Plasticity Theory and Discrete Dislocation Plasticity Theory • use of a Wacom writing tablet to annotate gapped notes during the lectures
Bell, Rebecca	Earth Science and Engineering	<ul style="list-style-type: none"> • Seismic techniques • Tectonics • Use of interactive voting tools for teaching and feedback
Bharath, Anil	Bioengineering	<ul style="list-style-type: none"> • Signal Processing; Image Analysis; • Use of examples of applications: medical imaging; (e.g. visual map of blood flow patterns); sifting signals from radio-telescopes; commercial applications (e.g. in the original Shazam! App for telling you what song you are listening to)
Blunt, Martin	Earth Science and Engineering	<ul style="list-style-type: none"> • Petroleum Engineering • Student interaction / dialogue
Bull, Anthony	Bioengineering	<ul style="list-style-type: none"> • Stress Analysis (second year); engineering design project (second year). • Use of visualiser projected demonstrations.
Cabral, Joao	Chemical Engineering	<ul style="list-style-type: none"> • Properties of Matter as part of a Physical Chemistry • Use of demonstrations and videos
Cheung, Peter	Electrical and Electronic Engineering	<ul style="list-style-type: none"> • Digital Electronics
Collins, Gareth	Earth Science and Engineering	<ul style="list-style-type: none"> • Mathematics • Student interaction and feedback; use of a large team of GTAs
Demiris, Yiannis	Electrical and Electronic Engineering	<ul style="list-style-type: none"> • Operating Systems; Language Processors; Human-Centred Robotics • Use of live or videotaped examples in Robotics course

Drakakis, Manos	Bioengineering	<ul style="list-style-type: none"> • Electromagnetics; Electrical Engineering; Biomedical Instrumentation
Durrani, Zahid	Electrical and Electronic Engineering	<ul style="list-style-type: none"> • Digital Electronics
Elghazouli, Ahmed	Civil and Environmental Engineering	<ul style="list-style-type: none"> • Structural Engineering; Earthquake Engineering
Fobelets, Kristel	Electrical and Electronic Engineering	<ul style="list-style-type: none"> • Semiconductor Devices • Analogue Electronics
Gardner, Leroy	Civil and Environmental Engineering	<ul style="list-style-type: none"> • Structural Design
Gardner, Philippa	Computing	<ul style="list-style-type: none"> • Mathematical methods
Genge, Matthew	Earth Science and Engineering	<ul style="list-style-type: none"> • Geology • Use of bespoke teaching software
Gupta, Sanjeev	Earth Science and Engineering	<ul style="list-style-type: none"> • Geology; Sedimentology • Use of video and computer interactions
Hodkinson, Ian	Computing	<ul style="list-style-type: none"> • Logic; Modal and Temporal Logic • use of computer teaching aids for tutorials and private study
Manikas, Thanis	Electrical and Electronic Engineering	<ul style="list-style-type: none"> • Communication Systems; Advanced Communication Theory • use of AV equipment in conjunction with a writing HP tablet; Beamer Latex presentations; use of animations that have been produced using Adobe Flash
Markides, Christos	Chemical Engineering	<ul style="list-style-type: none"> • Fluid Mechanics; Combined Heat and Power and Waste Heat Conversion as part of Clean Fossil Fuels • use of videos and demonstrations
McBrien, Peter	Computing	<ul style="list-style-type: none"> • Databases • Advanced Databases • use of AV equipment; interactive teaching via problem solving in lectures; use of clickers in lectures

Mitcheson, Paul	Electrical and Electronic Engineering	<ul style="list-style-type: none"> • Digital Electronics
Moram, Michelle	Materials	<ul style="list-style-type: none"> • Dielectric and magnetic behavior • Electron microscopy
Naylor, Patrick	Electrical and Electronic Engineering	<ul style="list-style-type: none"> • Signal Processing
Passmore, Emma	Earth Science and Engineering	<ul style="list-style-type: none"> • Optical mineralogy; igneous petrology • Student assessment and feedback • Personal and Academic tutoring
Pinho, Silvestre	Aeronautics	<ul style="list-style-type: none"> • Structural Mechanics and Dynamics; Finite Elements
Riley, Jason	Materials	<ul style="list-style-type: none"> • Electrochemistry • Statistical mechanics • Optoelectronics and electronic properties of nano structured materials
Rodriguez Y Baena, Ferdinando	Mechanical Engineering	<ul style="list-style-type: none"> • Mechatronics • use of Moodle (VLE), e.g. for forums, repositories and Q&A; running of hardware labs
Sherwin, Spencer	Aeronautics	<ul style="list-style-type: none"> • Introduction to Aerodynamics • use of partial differential, conservation of mass and momentum equations for fluids and incompressible flows
Streule, Mike	Earth Science & Engineering	<ul style="list-style-type: none"> • Structural geology, • Tectonics and • Metamorphic petrology • Project planning, and use of Smart board tools in lectures
Swan, Chris	Civil and Environmental Engineering	<ul style="list-style-type: none"> • Hydrodynamics • Fluid Mechanics