Our research community...

2016
Central to LSBU’s impactful world-class research work is our research community. A team that encompasses academic staff, research staff, postgraduate research students, support staff including technicians, the Research, Enterprise and Innovation team, members of the Marketing team and of course our external partners and collaborators.

This brochure celebrates the members of that community and their work, work that is helping to develop new knowledge, influence policy, build relationships, create new commercial opportunities and change the way that industry and businesses work.

I’d like to take this opportunity to highlight a few of the projects underway as part of the on-going process of developing the University’s Research, Enterprise and Innovation community and environment.

The role of Research and Enterprise Institutes
We are growing our Research and Enterprise Institutes to address the major, global challenges faced by society. These provide a multidisciplinary ‘shop front’ for our research, delivering impact and encouraging cross- and inter-institutional cooperation.

Establishing Research Groups and Centres
In tandem with our Research and Enterprise Institutes, in 2017 we are launching 14 new Research Centres and 33 Research Groups allowing us to strategically organise our research into teams, to address real world research and provide an inclusive research environment providing opportunities for all.

Our Centres are larger teams providing leading edge, timely research with an international reputation for achievement and innovation. A key role is to catalyse and support collaborations, especially in response to funding opportunities, and work with the Research Groups to enable academics to learn from their peers and support the development of early career researchers and our postgraduate research students.

Our Groups help us to provide an inclusive environment, especially through enabling researchers to cohere around emerging research themes to catalyse new internal research collaborations.

In total, we’re investing up to £3 million in our Institutes, Research Centres and Research Groups over the next year so that we can continue to support our academics, Post Docs and postgraduate research students in their chosen areas of research, with support from the Research, Enterprise and Innovation team.

The Introduction of AURA
(Area University Research Audit)
AURA is an online system that enables us to: identify our research-active staff, count the number and quality of publications our researchers have both produced and are planning; and gauge our academics’ engagement with the wider economy.

The results of AURA have helped us to shape the University’s new Research Centres and Research Groups and build a world-class research environment that allows us to realise our potential as a global force in applied, high impact, cross-sectorial research.

The London Doctoral Academy
In July 2017 the London Doctoral Academy will open its doors. It brings together our collaborative research community in a brand new dedicated space in our London Road Building.

As well as providing a ‘home’ for our research community complete with social and meeting spaces, its aim is to support and develop the next generation of professional researchers by offering world-class academic supervision in combination with a personalised skills development programme.

As you can see it has been a busy time, these projects are the culmination of an enormous amount of hard work by people across the University. I look forward to seeing how these projects positively impact our research community, our research environment and our research work.

Gurpreet Jagpal
Director Research, Enterprise and Innovation
2016 was a busy year for research activity in the School of Applied Sciences and here is just a brief snapshot.

Besides the publication of a significant number of journal articles, as a group our staff secured a number of grants from external sources including Silverfit, Lambeth Council, Allen Carr Essay way, the British Academy, and Cancer Research UK.

Each and every one of these projects is providing evidence to the types of question which are ‘real world’ in nature and which should have meaning for those who use our work.

It has also been a busy year in delivering on our aim of moving our research environment to one which is recognised as externally excellent. We launched the School’s “Investing in Our Environment” initiative aimed at early, mid and established staff to provide funding for the support work needed to be undertaken to realise the goal of increasing our external grant submission and income generation rate.

It looks like there is some positive effect in both these measures although the full evaluation will not be undertaken until later in the year. On top of this the “Initiative” also provided funding for two full PhD scholarships and a further 10 fee waiver scholarships which were competitively awarded across many School staff.

PhD student activity forms an important part of our research environment and is essential if we are to sustain a culture of engagement as reflected in key external benchmarks.
Liam hopes that hitting the heights will have major impact on the global obesity issue

A natural inquisitiveness about interpreting research has led to Liam Hobbins embarking on a PhD that has the potential to make a positive impact on global problems relating to obesity.

“During my Sport and Exercise Science undergraduate degree, I became really interested in working in a laboratory environment and carrying out tests on human populations. I became genuinely interested in reviewing research investigations and understanding the significance of the findings in the context of human performance and health,” says Liam. “Following completion of my final year undergraduate project, I felt really passionate about carrying out research and decided to apply for this PhD project, which was of particular interest because of its potential impact. Obesity poses significant risk of harm to the health of many people across the globe, and so the chance to work within the novel and innovative area of altitude training to target reductions in obesity really interested me.”

Liam's project is supervised by LSBU academics Steve Hunter and Dr Nadia Gaoua, as well as Dr Olivier Girard from the Athlete Health and Performance Centre in Qatar. The project is match-funded by the London-based Altitude Centre, the UK’s leading specialist in altitude training.

Liam and his supervisors have now finalised their proposal of the three experimental studies they intend to conduct over the next two years, with the intention to begin the first project early in summer 2017.

“For the first six months of the project, most of my work has been focused on producing a literature review. This is a comprehensive review of the current research that has investigated methods of hypoxic conditioning, or exposure to reduced-oxygen environments, in order to improve cardio-metabolic health and promote weight loss,” Liam explains.

“In addition, I have immersed myself into a research environment by attending seminars, conferences and workshops and networked with fellow PhD students and researchers to share ideas and research experiences. Alongside this, I work one day per week at the Altitude Centre. This sees me producing research-informed information such as blogs and infographics for publication on social media channels, conducting exercise classes and personal training in a hypoxic environment, and offering advice to potential clients who may be interested in altitude training to improve their fitness, performance or general health.”

Liam Hobbins

“I felt really passionate about carrying out research and decided to apply for this PhD project, which was of particular interest because of its potential impact. Obesity is becoming more and more harmful to the health of many people across the globe, and so the chance to work within the novel and innovative area of altitude training to target reductions in this really interested me.”

The overall aim of the project is to determine an optimal passive (rest) and active (exercise) weight loss programme to be carried out in hypoxic conditions by those classified as being obese, and to determine the associated health benefits in the context of cardio-metabolic risk factors.

“By optimal, we mean an exposure level and duration of passive and active hypoxia that will improve cardio-metabolic health markers such as blood pressure and energy expenditure. We are also investigating the psychological variables of enjoyment, pleasure–displeasure and adherence. Further, we hope to determine these responses following acute (a single session) and chronic (six-week) interventions, with the idea that determining the optimal acute response and applying this over a chronic period of time will be more beneficial in terms of health and weight management.”
Ashley Howard

Components of brief alcohol intervention delivery

My research explores how brief alcohol interventions are structured and the components that constitute delivery. It focuses on understanding that brief interventions are effective, although delivery and presentation of the material may have a greater impact on how they are received by the individual. Also, examining cognitive salience to increase the durability of the intervention material may enhance the long term effects with students.

Supervisor: Dr Tony Moss

Timothy Akinosun

Acrylamide content in West-African Foods

Acrylamide or 2-propenamide is a toxic compound that can be produced at high levels in heat-treated foods with high carbohydrate content. Many foods have been tested worldwide after the report given in 2002 by the Swedish National Food Authority on the presence of acrylamide in heat-treated foods. An important aim of this research is to accurately determine the acrylamide content of these heat-processed West-African foods.

Supervisor: Dr Deella Ojijaka

Louise Sharman Thompson

Social identity of Motorcyclists and risk perception

My research is looking at the social identity of motorcyclists who are members of motorcycle clubs, and whether the influence of others in the motorcycle club effects perception to risk in relation to behaviour. Behaviours in this context includes wearing appropriate safety clothing, traffic violations and performing motorcycle tricks. The research will also look at age and gender; there has been a steep rise of female over 50's gaining full motorcycle licences – 268 in 2012 to 2,588 in 2013 (Motorcycle Industry Association, February 2015) to see if there is a difference in risk perception.

Supervisors: Prof Ian Albery, Dr Dan Frings

Jason Poole

School of Applied Sciences

Exploring the emotional/sexual relational needs of adult inpatients in forensic units from patient and staff perspectives. Evaluating the introduction of a peer support group to foreign nationals, who hear voices or experience unusual beliefs, currently detained at an Immigration Removal Centre.

Supervisor: Dr Deella Ojijaka

Sarah Bogle

The influence of psychiatric medication

The purpose of my research is to explore the influence of psychiatric medication on users’ relational lives in early psychosis. In this context, I will investigate how taking psychiatric medication might shape users’ experiences of being with their significant others, and the meanings users assign to these experiences. My research will also explore the medication related experiences of significant others to gain a holistic and multi-perspective understanding of psychiatric medication experiences in psychosis.

Supervisors: Dr Zoe Boden, Prof Paula Reavey

Muscle tension, function and chronic low back pain

The study primarily aims to establish how muscle tension and other functions are related to chronic low back pain (CLBP), by developing a novel method of objectively assessing muscle tension in patients with CLBP using ultrasound with force application. The new tool will then be used to assess the effect of neuromodulation on muscle structure and function, and how that directly relates to pain. The key objective is to develop a method of directly measuring muscle tension that can be utilised by clinicians, and evaluate the impact of muscle tension on CLBP.

Supervisor: Dr Jin Luo, Dr Kiores Karamanidis

Helen Lombard

Human perception and action

I investigate human behaviour in terms of the coupling between perception and action. I’m particularly interested in the perceptual information people use to act in complex contexts. For example, when and for how long does an expert basketball player need to look at the basket before shooting successfully? I’ve also studied these very fast “intuitive” actions in driving and in children with developmental coordination disorder. Currently we’re looking at how the perception-action coupling changes with age and what strategies can be used to improve this in multitasking.

Supervisor: Dr Jin Luo, Dr Kiores Karamanidis

Sophie Park

The transfer and persistence of DNA

With the increased sensitivity of forensic DNA profiling, chemistries, forensic scientists are now able to recover and analyse minute traces of DNA left at crime scenes. However, forensic DNA experts are frequently asked in court as to ‘how much DNA got there’ or ‘how much DNA would be transferred’? Currently there is limited empirical data available to assist in answering these questions. This research seeks to bridge the gap between the science and the interpretation of DNA evidence.

Supervisor: Dr Jakob Winkler, Prof. Markus Raab

Dr Rita De-Oliveira

Psychopharmacology and substance use

My research covers many different areas of substance use. At the moment I am conducting or supervising research into drug use in LGBT populations, time perception in cannabis users, changes in caffeine use during alcohol detoxification and the use of mild stimulant drugs as cognitive enhancers.

Supervisor: Dr Jakob Winkler, Prof. Markus Raab
Zoe Boden  
Mental health

I explore relational and emotional experience in mental health and wellbeing, using predominantly phenomenological methods. I have recently focused primarily on experiences of suicidality and psychosis.

PhDs awarded 2016

Name: Peter William Dawkins  
Award title: PhD  
Supervisors: Dominic Man, Tony Burns

Name: Henry Lee Johnson  
Award title: PhD  
Thesis title: ‘Your Drink or Mine’ – The Influence of Alcohol Cues on Social Interactions and Sexual Risk Decision Making  
Supervisors: Ian Albery, Daniel Frings, Antony Moss

Name: Rebecca Gordon  
Award title: PhD  
Thesis title: MEASURING CHILDREN’S WORKING MEMORY: The influence of titrated time constraints on complex span tasks and their relationship with higher order cognitive abilities  
Supervisors: Elizabeth Newton, James Smith-Spark, Lucy Henry

Name: Genevieve Francis Waterhouse  
Award title: PhD  
Thesis title: Investigating the Forensic Interviewing of Children: Multiple Interviews and Social Support  
Supervisors: Anne Ridley, Rachel Wilcock


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Larkin, M., Boden, Z., & Newton, E. (2017). If psychosis were cancer: A speculative comparison. Medical Humanities, 43(2), 118. doi:10.1136/medhum-2016-011091


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Overview

Philip Hammond
Director of Research & Enterprise
School of Arts and Creative Industries

Our research encompasses a wide variety of methodologies and approaches across several disciplinary areas. To give a flavour of that variety, here are some examples of projects which all won external funding in 2016, and which all critically and creatively address real-world challenges:

Dr Jonathan Banatvala led a major international collaborative project in the Ukraine, funded by the UK Foreign and Commonwealth Office, which explored the potential of theatre to encourage dialogue in situations of international conflict. The programme reached an estimated 500,000 people, including via innovative outreach materials for schools and colleges.

Dr Elena Marchevska, who heads our Centre for Research in Digital Storymaking, was awarded a prestigious Marie Curie Fellowship grant for a project investigating the role of the arts in addressing problems of homelessness and housing in the UK and Serbia. Working with Postdoctoral Research Fellow Dr Ana Vilenica, the project examines the potential of the arts to engage citizens and initiate positive social change.

Dr Donatella Maraschin led the winning submission at the competitive Global Health Film Festival, for a project working with the charity Shout at Cancer, to develop innovative ways to conceive and deliver medical care through drama techniques and via digital technologies. The prize includes a development grant from the medical journal The Lancet.

Dr Suzanne Scafe was awarded an Arts & Humanities Research Council (AHRC) Network Grant supporting research on new dimensions of migration during the UN Decade for People of African Descent. The network involves twelve scholars from Britain, North America and the Caribbean investigating how globalisation might work for African-Caribbean women migrants, even while acknowledging its exclusions and inequalities.

Prof Andrew Dewdney, head of our Centre for the Study of the Networked Image, won an AHRC Collaborative Doctoral Award, supporting research student Lozana Mehandzhiyska to work with the pioneering US digital arts organisation Rhizome. Digital artworks are a record of our history as a digital society, and their presentation and preservation are pressing issues for the digital humanities.
Art's true value

What is the role of the arts? Carolyn’s community research reveals its vital value

An experienced arts practitioner is undertaking a research project at LSBU that asks questions about the value and impact of art, specifically in the context of socially and economically excluded or deprived populations.

Carolyn Defrin has a background across theatre, dance, music and video in both London and Chicago, has spent many years as a facilitator and teaching artist working with schools and communities and says that when she saw the callout for the research position it spoke to her lifestyle and related to questions she was having with her own work. Her PhD is a collaboration between LSBU and Hammersmith United Charities (HUC). A 400-year-old charity that houses low-income elderly residents in Hammersmith. “Five years ago HUC initiated a community grants programme, and approximately one-third of the grants given have supported some kind of arts activity that provides relief in need to local communities identified as socially or economically excluded,” Carolyn explains. “My research therefore is specifically for the charity’s staff and trustees to help them better understand the role of the arts in providing this relief.

“Before taking on this PhD, my professional arts practice often crossed paths with the community arts and education work I was doing, but I could feel a desire to integrate the two strands more. Specifically, as an artist, I wanted to make work that engaged audiences beyond the usual theatre-going crowd, and as a human I wanted to be more connected and knowledgeable about the larger socio-political picture. So, the chance to do a practice-based research PhD with a housing charity in a part of London I didn’t know much about became an exciting opportunity to start opening those doors.”

Working with Carolyn on the project are the staff and trustees and elder residents housed by Hammersmith United Charities. HUC’s Melanie Nock, the grants manager and director of community programmes, is a supervisor, alongside two LSBU academic supervisors.

A little over a year into the work, Carolyn’s research has comprised a mixture of reading contextual literature, talking with community members, observing their work, and leading focus groups and interactive workshops. This has all contributed to a phase of action research to develop the first version of the new community-arts funding framework. This framework will then be tested through arts projects led by others in the community and Carolyn as part of her research.

Also, because the PhD is practice-based, it means that Carolyn will lead artistic projects to help elucidate the questions HUC has about the role of the arts. These projects are beginning to unfold at the moment, in response to many of the community conversations that have taken place over the last year. “In the next few months I will be carrying out two projects,” Carolyn says. “The first project will specifically respond to a need identified by the charity’s staff, to include the residents’ thoughts for potential future housing developments in the borough. This will manifest as an installation and be shown in the London Festival of Architecture, as well as the Hammersmith and Fulham Arts Fest, both in June. The second project will respond to a need I have been identifying in focus groups with beneficiaries: the need for pure joy! I am still developing this project, which will take place sometime in July at a local arts festival.”

“Finding out what different community leaders do is one of the most fascinating aspects of this PhD. There are so many organisations and leaders and volunteers working hard in all corners of local communities that we don’t get to see. Having the chance to sit and talk with them – from 85 year olds who have lived in Britain their whole life to young Somali men and women whose journeys have led them here in the last decade – reveals a rich array of engagement with the arts and a strikingly similar palette when it comes to expressing needs. Everyone I speak with is touched by art in some way and longs for regular communal spaces to enjoy each other’s company while listening to music, dancing or looking at something beautiful together.”

Carolyn says that her overall aims for the project are to achieve better articulation for the charity as a whole around the role and impact of funding arts activities for Hammersmith communities. “I am doing this partly by facilitating dialogue between many stakeholders, and hope this cross-community dialogue will continue as a regular interactive tool for strengthening community and addressing new issues after the research is completed. I also want this research to become part of a national and even international dialogue about how the arts respond to a need for joy. In my conversations with local community groups, they are often describing the arts as a way of feeling good, excited, better and invigorated, and this has led me to consider the role of the arts in producing joy.”
Researcher profiles

Lozana Mehandzhiyska

Online archive of internet art
The rapid pace of change in the field of digital technologies creates multiple challenges for long-term provision of access to digital artefacts of cultural value. This practice-based research project seeks to answer questions related to characteristics in the design of a framework that can support the presentation and contextualisation of internet art in an online archive. The practice component of this research is a redesign of the interaction design framework of the ArtBase, the online archive maintained by Rhizome, an international arts organisation curating and archiving internet art.

Supervisor: Prof Andrew Dewdney

Nicola Baird

Socio-cultural approaches to A David Bomberg Legacy
My research is the result of a collaboration between London South Bank University’s Borough Road Gallery (The Sarah Rose Collection) and the Ben Uri Gallery and Museum. In employing socio-cultural approaches, namely Assemblage Theory and Actor-Network Theory, I am able to analyse the two collections and the multifaceted enterprises of which they are a part, as well as the ways in which they might be framed. A fundamentally interdisciplinary project, assemblage, as a ‘bridging concept’ allows me to connect and make use of a number of different disciplines while retaining their specificity.

Supervisors: Prof Andrew Dewdney

Dan Barnard

Interactive, Immersive and digital theatre
My research focuses on how interactive, immersive and digital theatre can stimulate political awareness or awareness of group behaviour among audiences or encourage them to reflect on notions of agency. I also do research into the practical application of Konstantin Stanislavsky’s acting system and the role of play in pedagogy. My research is in dialogue with my work as a practising artist with fanSHEN theatre company.

Philip Sanderson

Sound and Moving Image
The primary focus of my audiovisual work is on the relationship between sound and image, and how the two can be played off or counterpointed, not to reinforce one another but to create a productive dialectic tension.

Lozana Mehandzhiyska

Dr Hillegonda Rietveld

Popular Music Studies
My research is in the field of Sonic Culture, and I have published extensively on electronic dance music culture. I am Chief Editor of "IASPM Journal", the journal of the International Association for the Study of Popular Music (IASPM), and I am the co-editor of the collection "Di Culture in the Mix: Power, Technology, and Social Change in Electronic Dance Music". I have also co-edited a special issue on the Dub Diaspora for "Dancecult, Journal of Electronic Dance Music Culture" and I am currently co-editing a special issue on Game Music for "CAME: The Italian Journal of Game Studies".

Supervisors: Prof Andrew Dewdney

Elena Marchevska

Theatre and Live Art
Dr Elena Marchevska is a practitioner, academic and researcher interested in new historical discontinuities that have emerged in post-capitalist and post-socialist transition. She is researching and writing extensively on the issues of belonging, the female body, the border and intergenerational trauma. Her artistic work explores borders and stories that emerge from living in transition. Ultimately, she is interested in creating and researching work that provides the means by which people can meet, human to human, in all their differences, in the most sensitive and sincere way possible.

Dawn Ingleson

Drama for conflict resolution and transformation in primary schools
The practice as research is an in-school immersive theatre intervention for primary school children at KS2. The theatre piece I am currently working on, inspired by Voices in the Park by Anthony Browne, is designed to explore approaches to conflict transformation and enables children to affect the narrative of a conflict through interactive performance. Through practical drama workshops and an immersive piece of theatre with our pilot, Kingswood School, we explore narrative, perspective-taking and empathy in every day conflicts.

Supervisors: Prof Andrew Dewdney

Prof. Andrew Dewdney

Museums and the Networked Image
What new challenges arise in the ‘post-digital’ and networked world for how professional curators curate and archive their collections? How has the digitisation of cultural heritage and its dissemination through various platforms on the Web changed the way audiences experience value? Conversely, what new opportunities arise for curators in using online platforms and commercial browsers? This research seeks to refame the relationship between museums and the internet as a new and complex object of attention in mainstream cultural thinking, characterised by processual and material practices.
Publications 2016

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School of Built Environment and Architecture

Overview

Andy Ford
Director of Research & Enterprise
School of Built Environment and Architecture

Research in the School of the Built Environment and Architecture (BEA) is a broad church dealing with all the issues around how people come together to design, build and occupy sustainable communities at all scales.

It has been an exciting year for BEA, following our launch as a fully integrated School the well-established research in Building Services Civil Engineering has embraced the rapidly growing areas of Construction Management and Economics, Architecture and Sustainable Integrated Delivery. We are delighted to welcome our new professors who have joined us this year in this area: Prof George Ofori, Prof Herbert Robinson and Prof Teresa Stoppani.

Our current funded research and the sources of the funding reflect our desire to ensure impact. Some examples which illustrate our interests:-

Balanced Energy Network (BEN) – Utilising the LSBU campus to explore physically the future heating and cooling of existing buildings and cities. Project BEN Balanced Energy Network demonstrates advanced high temperature heat pumps with a cold water heat sharing network.

Metropolitan Integrated Cooling and Heating (MICAH). A partnership has been established between London Underground Ltd (LUL), Islington Council and LSBU, linking the Underground’s cooling system with Islington’s district heating scheme to provide heating.

The LUSTER project – London Urban Sub-Terrain Energy Recovery – will map locations with high potential for heat recovery beneath our city, often situated in close proximity to areas of high heat demand, and suggest ways in which these untapped energy sources can be used to heat our buildings in more efficient and cost-effective ways.

Following the successful award of a recent HEFCE Catalyst grant, BEA are in the process of looking at ways to develop the necessary collaboration and team working skills to meet the Government BIM building information management agenda in collaboration with the long-running industry competition ‘TEAMBUILD’ and Herriot Watt University. The pilot study will establish the most appropriate way to incorporate BIM multi-disciplinary collaborative working across the formal curriculum within the School of the Built Environment and Architecture at LSBU.

Our impact is also being felt wider afield. In Indonesia with a Royal Academy of Engineering grant we are overcoming the problems of waste in coastal communities by developing a waste management strategy for Sustainable Tourism, and will develop a small scale pyrolysis to convert plastic into fuel for villages and towns.
Liquid gold

Shatha’s energy-saving research could be liquid gold

A researcher at LSBU is working with Hydromx, a revolutionary heat transfer fluid used to conserve energy within building services systems. The aim of the research is to analyse Hydromx’s performance and optimise its use in order to further improve its heat transfer ability within heating and cooling systems.

“The building sector is responsible for a significant amount of energy use and carbon emissions,” says Shatha Haddowe, the PhD student leading the research alongside her supervisors, Dr Issa Chaer, Dr Ye Zhihui and Dr Metkel Yebiyo. “In the UK approximately 80 per cent of the domestic energy used is for space heating and hot water. As a result, optimising the heat transfer fluid of any heat transfer system will help conserve energy, which will directly reduce greenhouse gas emissions and result in a healthier environment.”

Shatha says she was motivated to embark on the research because she has always enjoyed understanding and learning new things and, after starting her career in an academic field, she was keen to climb the academic ladder. “I did two master’s degrees in engineering disciplines, and I am convinced that doing a PhD will expand my research experience and fill the gaps in my knowledge. To me, engineering without research is like a nice picture without a proper frame.”

London South Bank University is working in partnership with the manufacturer, Hydromx International, and their UK partner PBA Energy Solutions on the project. Hydromx is also the name given to the enhanced heat transfer fluid, which was developed and patented by the company as a nanofluid to be used in heating and cooling systems.

The Hydromx fluid has been certified under the Build-Cert Chemical Inhibitor Approval Scheme to inhibit corrosion inside vital system parts such as pipes and radiators, and to prevent scaling on heating elements, in particular boilers. Shatha says that due to its innovative nature, there are many questions that need answers about the fluid’s performance, which is why this research is required.

“Published data from on-site tests have shown improvement in some of the heat transfer characteristics in closed-loop heating systems. However, there is a lack of understanding regarding the fundamental and practical characteristics of Hydromx that result in these improvements and how this can be transferred or optimised and applied to wider applications.

“Our research work aims to answer these questions, by experimentally investigating the performance of Hydromx as an enhanced heat transfer fluid in controlled heating and cooling settings.”

As part of the research an experimental test rig was designed, assembled and instrumented, with Hydromx introduced into the rig. Control tests were then conducted within the environmental chamber according to the BS EN 442-2 Standard, which is the European Standard that specifies the laboratory arrangements and testing methods for determining the standard thermal outputs and other characteristics of radiators. “Our findings will provide further controlled results of the comparative performance of systems using Hydromx and other conventional heat transfer fluids such as water and ethylene glycol. They will also aid in understanding the behaviour of Hydromx and its application in both laboratory and real case study sites for heating and cooling systems.

“The challenge with this project is to control the test rig to perform as a real heating system and then deal with faults that occur during the tests, which require some time to be identified and resolved,” explains Shatha.

Shatha Haddowe

“Optimising the heat transfer fluid of any heat transfer system will help to reduce the energy consumption, which will directly reduce greenhouse gas emissions and result in a healthier environment.”
Researcher profiles

Bharathi Ramachandran
Systemic risks in urban infrastructure economics

My research on ‘Systemic Risks in Urban Infrastructure Economics’ is to realise the impact of Systemic Risk Management on Infrastructure Projects. It is to estimate the economic loss and approaches that can be used to compare and identify critical infrastructure as a complex interconnected system and the models required to estimate the impacts of infrastructure complexity and to provide recommendations to improve economic loss estimation from infrastructure complexity to overcome limitations.

Supervisors: Prof Herbert Robinson, Dr Gu Guowei

Di Wang
Performance of Novel Steel products in frame structure

Currently, the focus of my research project is given by the typical novel steel product – High Strength Steel (HSS). Starting from dozens of tensile tests for mechanical properties to testing performance of various steel joints under shear and bending moment both at ambient and elevated temperatures, the research aims to provide more accurate evidences to prove that HSS meets future demands of the construction industry in order to replace conventional steel products, particularly in fire conditions. The experimental data will all be validated with results of numerical analysis and Eurocode.

Supervisors: Dr Finian McCann, Dr Mahmood Datoo

Itua Cyril Omokhomion
Real Estate Investment Trusts: corporate governance

Real Estate Investment Trusts (REITs) are companies that own or finance income producing real estate, providing investors with regular income and an alternative to direct investment in real estate as REITs are listed. My PhD intends to evaluate the strength of the quality of corporate governance in the United Kingdom, South African and Nigerian REITs, how it affects investment decision-making process and eventual performance of the REIT. I propose a framework for investment decision making that incorporates the strength of corporate governance of individual REIT for ideal performance.

Supervisor: Prof Charles Egbo

Elizabeth Whelan
Ethical predisposition of project managers/governance and outcome

This study explores whether there is a relationship between how project managers decide what is right and wrong (their predisposition towards consequentialism or non-consequentialism) and project success. It also explores whether there is a relationship between project governance and project success. Industry bodies, reports and some literature point to a positive relationship between governance and project success. This appears to be based more on assertion than evidence. This research is seeking to establish if a link can be found.

Supervisor: Prof Herbert Robinson

Inara Watson
Sustainability and related factors of High-Speed Railway

The aim of this research is to contribute to the development and advancement to create a more sustainable railway system. Evaluate the best performance of HSR in terms of economic, environmental and social sustainability. Compare and analyse them and find a common ground. Look at factors that affect performance of HSR and draw conclusions.

This research is highly significant as it can help to evaluate the options for building new railway lines, the environmental impact during and after construction, and expected social impact. This research is seeking to establish if a link can be found.

Supervisors: Dr Ali Amer, Dr Ali Bayyati

Lucy Amada Ogbenjuwa
Commercial real estates financing

This research will give an exposé on the funding options for commercial real estate and property projects in the developed and the developing economies. This is with the view to improve awareness and reduce funding mismatch for benefit of decision makers in this sector. It will also look at the impact of skills, training, career pathway, education and competence of the decision makers and their ability to source, effectively and efficiently use financing for projects in this sector.

This will help to reduce the scale of challenge in access to finance, allied with lack of financial intelligence.

Supervisor: Dr Yamuna Kaluarachchi
Nuha Eltinay
Building urban resilience in the MENA region
The disastrous impact of climate change on urban livelihoods and natural biodiversity systems has long been observed worldwide. Shaped by the type of hazards and degree of exposure, the underlying risks of rapid urbanisation, poor urban governance and socio-economic inequality in the Middle East and North Africa Region (MENA), exacerbate the severity of and vulnerability to ‘natural hazards’. That lead into forced displacements ‘socio-economic hazards’ and trigger conflict ‘political hazards’. My research aims to develop an Urban Resilience Toolkit for Disaster Risk Reduction in the MENA.
Supervisor: Prof Charles Egbu

Sikiru Abiodun Ganiyu
Decision making in sustainable development projects
BIM implementation on AEC projects is increasingly gaining global acceptance with both opportunities and challenges for stakeholders in the industry. The present BIM is information-centric with little consideration for knowledge. To overcome some of these challenges, there is a need to explore the possibility of integrating knowledge into BIM through the use of knowledge management tools and techniques. This research is aimed at developing a BIM-infused Knowledge Framework that integrates knowledge contributions to BIM implementation for impactful decision making in sustainable projects.
Supervisor: Prof Charles Egbu

Oluwagbenga Samuel Tade
Proactive asset management of sewer condition
The aim of the research is to create a risk based approach to prioritise investment in the Thames Water sewerage network using lessons learnt from sewer historical and assessment data. The outcome of the research represents an effective deterioration model as a premise for proactive investment. This would enable sewerage asset owners with large kilometers of sewers to manage more proactively before they reach a critical stage and to reduce the reliance on industry expert judgement and further surveys whilst determining the most cost effective time to invest in asset repairs or replacement.
Supervisor: Dr Ameer Ali

David Cowan
Modelling thermal energy demand and emissions
This research study has investigated emissions from refrigeration, air conditioning and heat pump systems and how carbon emissions from buildings might vary in response to global warming, changes in building design, construction and operation and new technologies. Current emissions, including the contributions from refrigerant leakage (direct emissions) and grid electricity use (indirect emissions) have been analysed and a dynamic energy and emissions model and software tool have been developed to investigate the scope for reducing heating and cooling energy use and emissions from buildings.
Supervisor: Prof Graeme Maidment, Dr Issa Chaer

Shahab Kaviani
The development of intelligent buildings’ façade
Increasing world populations present the need to increase the current habitable buildings. With this fact in hand, it’s necessary to come up with housing that brings comfort and welfare and doesn’t bring more harm than good to the world by contributing to rising global temperatures and using building materials that produce weak and unreliable structures. This study employs and examines technologies that are contributed to the design of intelligent buildings’ façade that optimise its aesthetics and functionality and the use of the responsive biomimetic systems to maximise comfort and welfare.
Supervisors: Federico Rossi, Yamuna Kaluarachchi, Lilly Kudic

Tariq Umar MSc, CEng MICE
Improving safety performance in construction organisations
Safety climate is a subset of organisational climate, offers a route for safety management, complementing the often predominant engineering approach. An understanding of the safety climate dimensions can be useful in improving the safety performance of an organisation. My research is based on the use of safety climate factors for improvement of safety performance in construction organisations. This will help organisations to measure their safety climate perceptions among their workforce and to develop plans to achieve the desire level of safety climate to maximise their safety performance.
Supervisor: Prof Charles Egbu

Pegah Mirzania
Developing viable self-sustaining community energy in the UK
In the UK there are several renewable energy sources such as wind, hydro and solar for small scale projects suitable for community ownership. The development of community renewable initiatives are currently facing several challenges, making the rate of growth of Community Renewable Energy (CRE) in the UK very limited. These challenges are usually not related to technological issues, as the technology has been proven to be effective in various countries. The primary aim of this research is to evaluate ways to accelerate growth of community CRE projects by developing business models.
Supervisors: Prof Andy Ford, Prof Graeme Maidment, Dr Deborah Andrews

Upeksha Hansini Madanayake
A strategic approach to exploiting and implementing BIM
The adoption of Building Information Modelling (BIM), Big Data Analytics (BDA) and Internet of Things (IoT) (together also known as BBI) is yet to grow significantly in the construction industry. However it is realistic to realise this concept of BBI offers organisations competitive advantage in many ways. The business case of this innovative concept is studied in a strategic perspective in order to offer organisational benefits specifically in achieving ‘competitive advantage’. The impact of organisational culture, structure and size on BBI implementation is also thoroughly investigated.
Supervisors: Prof Charles Egbu
Dr Timothy Hong

Water and environmental engineering

The uncertainty in water quality modelling is a key issue to be considered when watershed management practices are developed to meet specified water quality criteria in the catchment. In this project, integrated water quality modelling system combined with Monte Carlo simulation and probabilistic approach is developed to evaluate the effect of three uncertainty sources including model parameters, point source (PS) pollutant loads, and climate conditions on long-term water quality impacts in the water reservoir.

Andy Ford

Multidisciplinary working and decarbonising the built environment

We focus on the societal challenge of decarbonising the built environment. Our work is multidisciplinary from building to infrastructure scale. We work on real buildings and utilise the campus as a live laboratory. We are currently demonstrating how thermal storage capturing waste heat and coolth from multiple sources can solve electricity grid balance issues in cities whilst simultaneously becoming low carbon. Our research crosses boundaries exploring multidisciplinary working to engineer a sustainable future.

Dr Hector Ulises Levatti Lopez

Unsaturated Soil Mechanics

I work in the problem of desiccation cracks in clayey soils from the experimental and numerical point of view. I use as a framework, the unsaturated soil mechanics theories and the fracture mechanics theory applied to soils and rocks. At the moment, I am working in the three-dimensional auscultation of samples in the laboratory to study in details the initiation and propagation of cracks during the desiccation process. From the numerical simulation side, I am improving my numerical code for the simulation of hydro-mechanical coupled processes as desiccation and cracking.

Dr Stephen Dance

Acoustics

Acoustics is the study of the science of sound. At the Acoustics Group I focus on applied research in particular in architectural and environmental acoustics, where we offer a Diploma and Masters course. I also investigate speech intelligibility, audiometry, vocal stress, and public address system design. I work with the leading organisations in the field including the Royal Academy of Music, the Royal Opera House, the London Philharmonic Orchestra and Henry Wood Hall on hearing of the musicians and vocal load of singers.

Ivana Kraincanic

Mechanics of engineering structures

I have been doing research on offshore structures, including steel cables, pipelines and tubular joints. My other areas of interest are fibre reinforced concrete and structural dynamics.

Dr Aaron Gillich

Energy and buildings

I’m working on the Balanced Energy Network research project which is building a prototype heat network that delivers heating, cooling, and electricity in a way that minimises cost and carbon emissions. This is a demonstration project taking place at LSBU.

Federico Rossi

Computational design and process innovation

The research/enterprise project Sculpture Factory has been developed to integrate digital design and computational processes with robotic machining manufacturing. The work is developed with the visual artist Quayola for an interactive installation for Astana World Expo 2017 to produce unfinished sculptures as a performative sculpture in itself. Custom software tools have been developed to create 3D computational sculptures and to simulate off line 7 axis kinematics to control a robot arm and produce a live translation from a computational generated code to a material.

Maggie Hammond

Fraud

Contemporary pink - collar crime and women solicitors in England and Wales

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PhDs awarded
2016

Name: Oluremi Olufunmilayo Kayode
Award title: PhD
Thesis title: Analysis of Household Energy Consumption in Ibadan Metropolis of Nigeria
Supervisors: Mahlub Fasholis, Andy Ford

Name: Gizem Okten
Award title: PhD
Thesis title: An Investigation into the Effect of Acoustics on Vocal Strain of Opera Singers
Supervisors: Stephen Dance, Luis Gomez-Agustina

Name: Metkel Yebiyo
Award title: PhD
Thesis title: Optimisation of Inter-Seasonal Ground Source Heat Pumps with Predictive Behavioural Control
Supervisors: Graeme Maidment, Tony Day, Alex Paurine

Publications
2016


Asif Gulam

“My intellectual curiosity, and passion for asking questions and finding answers is what keeps me motivated in my research work”
Overview

Prof Karin Moser
Director of Research & Enterprise
School of Business

The School of Business has strong research and impact cases in five applied research areas that are important for modern entrepreneurship and align with the challenges of contemporary management:

1. the need to succeed in a globalised and intercultural environment,
2. the influence of digital technologies on work processes, management and markets,
3. the need for forecasting business and market developments,
4. the need for ethical, sustainable and social entrepreneurs and leaders,
5. the ability to develop the right management skills to deliver on the first four objectives.

These are now coming together under the roof of the new London Centre for Business and Entrepreneurship Research in five distinctive groups which are truly interdisciplinary and comprise of members from each of the core disciplines in business research across the School, such as: finance, economics, human resources, organisational behaviour, marketing, entrepreneurship, governance and enterprise education. This supports interdisciplinary research and at the same time provides in-depth subject expertise.

Currently, the Business School has especially strong ties with SMEs and the public sector which is reflected in collaborations, impact cases and outputs of the Centre members. This aligns well with the entrepreneurship focus of the School and the entire University as entrepreneurial skills are of increasing importance also in the public sector and indispensable for SMEs.

The Business School has recently opened the new season of “research today!” seminars and talks. These are short presentations of emerging or new research in the Business School, followed by an informal discussion. They last an hour, they are happening every week during term time, and this season is bigger and better than ever with some exciting guests. Research today! is a research forum to exchange ideas, get to know each other’s research and foster collaboration in a collegial and friendly environment. Anyone interested can attend; just bring your lunch or coffee, and a sharp mind. More information can be found on ‘What’s On’ and @LSBU_BUS #researchtoday.
Muhammad’s model aims to explain investor behaviour

Having first gained an undergraduate degree in Mathematics and Statistics followed by an MSc in Quantitative Finance, Muhammad Bilal Shakeel developed a strong interest in empirical finance and wanted to contribute and enhance the subject area.

“My aim for the project now is to develop a full, rigorously tested extension of the GBM model to quantitatively model and explain the irrational behavior of investors in financial markets.”

“Taking stock

Muhammad Bilal Shakeel

“My aim for the project now is to develop a full, rigorously tested extension of the GBM model to quantitatively model and explain the irrational behavior of investors in financial markets.”
**Researcher profiles**

**Samuel Nyamoh Cuffie**

**Communication framework for implementing strategies**

SMEs in Sierra Leone face problems implementing their strategies, due to a seemingly distorted strategy communication process.

Therefore, this study will explore the various conceptual factors which hinder the understanding and interpretation of strategic messages communicated.

From this, a conceptual framework will be developed to enhance the efficacy of the strategy implementation process by simplifying the communication process.

Supervisor: Dr John Opade

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**Yara Ahmed**

**Corporate governance disclosures**

The research is shedding light on the realm of Corporate Governance while employing a Signalling Theory perspective. In particular, within this theoretical frame, it will empirically seek out and evaluate relevant UK and Egyptian corporate disclosures practices within particular business sectors in both countries, and as associated with particular governance features and-or characteristics and, importantly, the nature and motivation behind the potential “signals” they are intended to emit.

Supervisor: Prof Kenneth D’Silva

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**Olanrewaju Monsuru Sharafa**

**Accounting & finance (corporate governance)**

My interest is to investigate the Association Between Corporate Sustainability Disclosure and Corporate Governance in an Emerging Country. The research work is conducted within the lenses of Agency Theory and Stakeholder Theory. The focus of the work is specifically the Nigeria Economy.

Supervisor: Prof Ken d’Silva

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**Mel Godfrey**

**Marketing, brand, product management, consumer behaviour and employability**

My research considers marketing in a number of contexts such as portfolio management within higher education institutions and changing consumer behaviour in luxury markets. I also research areas of employability and student brand development through alumni experiences to help pedagogy. I am currently a holder of CERT funding to continue to develop an alumni/student mentoring scheme for the Business School.

Supervisor: Prof Jon Warwick

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**Hisham Abougصاد**

**Business information systems performance**

The research project studies the impact of CERT values on enterprise content management (ECM) performance. It’s a study to find how CERT values of workflow information systems could impact on ECM performance. CERT values are customer orientation (C), excellence (E), responsibility (R) and teamwork (T). The research methodology is based on the grounded theory (GT) and Delphi method. It’s an empirical research framework to examine the impact of CERT values on ECM performance and studies business process management (BPM) values impact by focusing on ECM and employers who are using ECM systems.

Supervisor: Prof Jon Warwick

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**Stefan Muller**

**Correlation between values-based leadership and economic success**

The aim of this study is to carry out research into the links between values, which promote leadership, especially cooperative values, and economic success.

The research project will get into advanced research and for this reason some values have been isolated, that could play a role for the link between leadership and economic success. Furthermore, these values play an important role in the history of cooperatives in Germany and haven’t been examined in the planned way until now.

Supervisor: Prof Jon Warwick

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**Dr Charles Graham**

**Consumer Behaviour**

I investigate predictability of consumer choice in mass observations of behaviour. I establish and replicate useful empirical generalisations, modelling findings from big data including long-term household panels and local observations of footfall and shopping behaviour.

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**Kim Roberts**

**Marketing pedagogy/ marketing communication**

My research focuses on experiential learning pedagogy. A six year collaboration with the London Metropolitan Police Service (MPS), provides LSBU marketing students with annual live briefs.

My research investigates whether students perceive such pedagogic teaching as a positive contribution to their learning and transferrable skills. It also utilises a longitudinal study to determine the usefulness of working with a public sector service such as the MPS, in enhancing transitional skills and marketing graduate employment prospects.

Supervisor: Prof Shushma Patel

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**Dr Rea Prouska**

**Employee voice, working conditions, quality of working life**

My research falls within the International Human Resource Management area. I have conducted several projects on work and employment issues in the South and South-Eastern European periphery. My latest stream of work focuses on the impact of economic crisis and transition on employee voice, working conditions and quality of working life in small and medium-sized enterprises (SMEs).

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**Dr Dag Bennett**

**Brand loyalty and switching**

I study how consumers make decisions and buy brands, leading to market structure modeling. Much of the work is based on consumer panel data, and as that becomes available round the world, I also study emerging markets.

I am the director of the Ehrenberg Centre for Research in Marketing which has a long tradition of addressing fundamental questions about how marketing works.

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**Dr Dag Bennett**

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Supervisor: Prof Jon Warwick
Publications 2016


Nick Durup

“Having an area of research that is of interest to you is fundamental, that interest will keep you going through the ebbs and flows of the project.”
School of Engineering

Overview

Sandra Dudley-McEvoy
Director of Research & Enterprise
School of Engineering

Colleagues from the School of Engineering have had another rewarding year.

PhD student registrations are reaching the magic 100 mark and students returned from top conferences with best paper awards: Zaneta Muranka (Supervisor D. Andrews) at the Circular Economy Innovation and Design Conference 2016, “Developing a Circular Economy through the remanufacture of refrigerated display cabinets and the Implications of the Enhanced Capital Allowance Scheme in the UK,” and Md Omar Howlader (Supervisor T. Sattar), at the 18th international conference on Control, Dynamic Systems and Robotics 2016 “Development of a Wall Climbing Robotic Ground penetrating Radar System for the Inspection of Vertical Concrete Structures”.

The School had successful funding bids across all five Research Centres. Examples are H2020 projects such Cleansky-2; “Cargo Fire Suppression System, EFFICIENT” in the Centre of Energy and the Environment (C. Benson). H2020 Fast Track to Innovation Funding was awarded to the project RiserSure which started last December in the Robotics Innovation Centre partnered with TWI (T. Sattar). Further EU funding was awarded to the ARTIC team in the Advanced Materials Centre (£60K, G. Durand) and the BiMEC centre £200K EU RISE (T. Dagiuklas) concentrating on self-organising 5G networks.

The Fire and Explosions team (P. Holborn) are working with Sellafield Ltd to meet the challenge of Hydrogen hazard management on its sites. Results have been used to help Sellafield Ltd address knowledge gaps in their current Hydrogen safety guidance and assist in the development of safety cases for nuclear decommissioning operations. The importance resulted in the accolade of “Highly Commended” in the process safety category at the prestigious IChemE Global Awards 2016.

Collaborative work between scientists at LSBU (S. Kellici and J. Ball), Open University, Cambridge, Cardiff, The Max Planck Institute and Flinders University have developed the synthesis of MXenes (emerging new class of laminar materials with unique properties) as plates, crumpled sheets, spheres and scrolls, creating wider avenues of discovery/design for new morphologies from the wider family of MXenes, along with opportunities to exploit any new physico-chemical properties proffered.

I congratulate colleagues on their continuing efforts in research, impact and enterprise. Well done to all.
Inspector gadget

Mahesh’s robots provide vital link in improving marine inspection worker safety

During his undergraduate studies in Electrical and Electronic Engineering, Mahesh Dissanayake developed a keen interest in robotics, automation and control engineering and became interested in research areas that reduce human physical work such as industrial assistive robotics. This led to a fascination with how industrial robotics could be used to make non-destructive testing (NDT) and evaluation safer, as most destructive testing (NDT) could be used to make non-destructive testing safer, as most areas requiring NDT create hazardous conditions for divers. Furthermore, current technologies cannot reliably inspect mooring chains in all environments such as underwater, in splash zones and out of water.

The aim of the RIMCAW project at London’s South Bank Innovation Centre is to develop a compact, mobile non-destructive testing (NDT) robot, with advanced ultrasound sensors, that can climb on mooring chains both underwater and out of water to scan chain links. The robotic NDT system will provide a tool to assess the condition of mooring chains, enabling asset managers to make decisions about repairs and more accurately predict chain lifetime. This will also reduce inspection costs by speeding up coverage of a mooring chain and removing the need for diver inspection.

“We prototyped a novel lightweight, fast moving mooring chain climbing robot system that can be easily deployed and retrieved,” adds Mahesh. “We then carried out structural analysis and validation experiments using CAD design software (Autodesk Inventor) and FEA software (COMSOL) to develop a robust structure. A neodymium permanent magnet adhesion system was optimised with COMSOL and used in this robot to create the necessary addition forces. We tested this robot system in the laboratory on a three-link chain segment to study its climbing capability and stability. Our conclusion was that the feasibility of using a crawler with an orthogonal arrangement of tracked wheels to climb on mooring chains has been established.”

With this initial success secured, what plans does Mahesh foresee for this concept moving forward?

“Chain failures result in 47 per cent of off-shore accidents worldwide, generating clean-up costs averaging £670 million a year. Regular inspection helps to reduce the levels of failure, allowing problems like corrosion, fatigue cracking and weld faults to be addressed before failure occurs.”

Mahesh Dissanayake

“As mooring chains are amphibious structures and the robot structure needs to travel underwater, motors and controllers must be capable of working underwater, and so an underwater laboratory trial is the next step. A more realistic mooring chain, one that is misaligned, will be used, as opposed to the previous vertically aligned one, with the robot upgraded to overcome misalignments of chain links. A degree of freedom will also be introduced to the crawler units as a further improvement.

“Now that we have developed the first track-based crawler robot for mooring chain climbing, our overall aim is to develop a novel inspection and commercially competitive autonomous tool for assessing the integrity of mooring chains. This will greatly improve non-destructive testing and, most importantly of all, the safety of those carrying out this important work.”

Starting in September 2015, Mahesh began his research into the robotic inspection of mooring chains in air and water (RIMCAW), with sponsorship and support from TWI Ltd, Cambridge and LSBU’s Innovation Centre. The work was undertaken at the National Structural Integrity Research Centre (NSIRC).

“I began my research at the London South Bank Innovation Centre, as they are developing robots that can climb and inspect mooring chains on floating structures,” says Mahesh. “Mooring chains secure floating structures in off-shore production of oil and gas, but can cause oil leaks if they fail and rupture the flexible pipes that bring the product to the surface, which is a relatively common problem. Chain failures result in 47 per cent of off-shore accidents worldwide, generating clean-up costs averaging £670 million a year. Regular inspection helps to reduce the levels of failure, allowing problems like corrosion, fatigue cracking and weld faults to be addressed before failure occurs.

Manual inspection to do this, however, is costly and dangerous. It’s expensive to remove a chain weighing many tons and bring it to shore to inspect it and the heavy chains generate large dynamic forces, creating highly hazardous conditions for divers. Furthermore, current technologies cannot reliably inspect mooring chains in all environments such as underwater, in splash zones and out of water.”
Researcher profiles

Angelo La Rosa
Development of nanoscale Components
Development of an erosion and anti-icing resistant coating system for composite components and structures. These are targeted for use in different applications such as wind turbine blades, aerospace wing leading edges, cryogenic tanks and automotive components.

One of the best candidates to achieve this main goal is the introduction of silica nanoparticles opportunely functionalised into epoxy resin systems in order to enhance their functional properties in extreme environments.

Supervisor: Dr Geraldine Durand

Mohammed Ali Mohebbian
Autonomous trader agent, using deep and reinforcement learning
We are aiming to create an autonomous agent which is able to interact with financial markets and without any human interference, maximise its cumulative profits over time.

Supervisors: Dr Daqing Chen, Prof Ebad Banissi

Antigoni Paspali
Nanostructured engineering polymers for additive manufacturing
Three dimensional (3D) printing is an emerging revolutionary technology which has drawn the attention of both the industry and the academia, due to its versatile applications and potential in diverse fields. However, 3D printed parts usually exhibit inferior mechanical properties to those of their conventionally manufactured counterparts, due to the presence of air voids. Herein this project focuses on tailoring the physical properties of 3D printed components through the introduction of nanomaterials in the raw polymer, forming printable materials with improved mechanical performance.

Supervisors: Prof Yuqing Bao, Prof David T. Gawne

Omar Laith Hasan Al Hashimi
Web-based 3D modelling
Is to create a state of the art interactive 3D model for human skin measurement device using the internet as a platform. Users will be able to see and fully interact with the 3D objects as they do in real life. The main benefit of this project is to demonstrate all functions and features of the medical device to clients.

Supervisor: Dr Perry Xiao

Farzin Vajih
Low salinity water injection in carbonates
In recent years, extensive research has indicated that tuning salinity and ionic composition of the injected water can favourably affect oil/ brine/ rock interaction. Although it is widely accepted these methods can improve oil recovery, the mechanism for them is still developing. Moreover, the potential for the carbonate reservoirs has not been thoroughly investigated whilst more than half the world’s proven hydrocarbon reserves are accounted for the carbonate rocks. The aim of this work is to further investigate the potential of low salinity water flooding in carbonate reservoirs.

Supervisor: Dr Pedro Diaz

Bisi Ajayi Olaniyi
Heterogenous catalytic conversion of carbon dioxide
The increasing concentration of anthropogenic CO2 in the atmosphere and the global warming effect have compelled further research to seek effective and sustainable alternatives to convert CO2 into valuable fuels and chemicals. One of the most promising reaction schemes of CO2 conversion currently being researched is the synthesis of cyclic carbonates via coupling reaction of CO2 and epoxide. An approach that promotes green economy, cost effectiveness and a replacement of toxic chemicals which are hazardous to health such as phosgene and other related chemicals.

Supervisor: Prof Bausaha

Emeka Emmanuel Ugwuanyi
Network orchestration for mobile edge computing
Cloud computing provides large infrastructure for data computation and storage. Its limitation is that its infrastructure is located far from the end user thus increasing the bandwidth and latency. Mobile edge computing was proposed to eliminate this limitation by designing mini servers known as cloudlets that offers cloud services for mobile devices. These cloudlets would be located close to the user, providing a platform for caching and offloading with the aim of reducing bandwidth and latency.

My research is associated with the design of the network orchestration of these cloudlets.

Supervisor: Dr Mooldeearigbal

Linghao Zhou
Helicopter main gearbox planetary bearing defect monitoring
Successful diagnosis of Helicopter Main Gearbox (HGB) incipient defects has profound meaning in enhancing helicopter flight safety, saving lives and reducing maintenance cost. However, due to MGB’s special geometry and extremely noising operational environment, it is very challenging to identify the imminent fault, especially bearing faults. This research aims to diagnose HGB defects using advanced signal processing techniques, which potentially benefits current helicopter Health and Usage Monitoring System (HUMS).

Supervisors: Prof David Mba, Dr Fang Duan
Maitreyee Dey

Data-driven remote fault detection/diagnosis of HVAC terminal units

Buildings are becoming more and more complex energy consuming systems consisting of several elements i.e., heating, ventilation, and air-conditioning (HVAC), lighting, power and control systems etc. Monitoring building’s energy and environmental performance have been the subject of great interest in recent years. Equipment failure and performance degradation of HVAC systems in commercial buildings often goes unnoticed until it results in a direct impact on occupant comfort, triggers an equipment-level alarm, or results in excessive energy consumption. Therefore attention and research work is essential.

Supervisor: Dr Sandra Dudley

Muyiwa Olakanmi Oladimeji

Computational Intelligence Algorithms

Recent studies have tended towards incorporating Computational Intelligence, which is a large umbrella for all machine learning and meta-heuristic approaches into wireless sensor networks applications for enhanced and intuitive performance. The research is about the design and implementation of hybrid machine learning that can significantly improve the prediction accuracy of fire sensors and meta-heuristic-based protocols that can achieve an evenly balanced energy and minimise the net residual energy of each sensor in a wireless sensor network.

Supervisors: Dr Sandra Dudley

Nura Makwashi

Experimental Investigation of curvature effect

Literature review shows that, most of the research work investigated wax deposition in straight pipes, however, curvature in pipeline can have significant impact on flow behaviour of reservoir fluid.

This research would investigate the behaviours and influence of wavy pipe and pipeline with 45 degree elbow compare to straight pipe on wax deposition in single and two-phase oil-gas flow. Using in-house designed flow rig, under different operating conditions. The effect of shear rate, shear stress and wax inhibitors as a function of time and temperature would be investigated.

Supervisor: Dr Dongjin Zhao

Pathik Shah

Unified theory based model

Since novel technologies, like the Internet of Things are growing very fast, it seems like there is a technology push where the technology gets introduced without researching users’ behavioural intention to adopt it. The factors in existing models are developed for business-oriented information systems. Therefore, a new model is required for consumer-oriented novel technologies. This research aims to:

• Develop a unified theory based generic model for novel technologies.
• Optimise the model by investigating possible significance between factors.
• Develop a visual technique to represent the analysed data.

Supervisor: Prof Ebad Banissi

Roxana O’Hara

Maintaining the resilience of hydrogen detection systems

The detection of hydrogen gas is essential in ensuring the safety of nuclear plants. However, events atFukushima Daiichi, Japan highlighted the vulnerability of conventional detection systems to extreme events, where power may be lost. Development of passive hydrogen detection systems displaying radiation resistant behaviour is required. Chemospheric transition metal oxide thin films provide a visual indication to the presence of hydrogen. Their viability for nuclear safety applications needs to be assessed and characterised post radiation exposure.

Supervisor: Dr Paul Holboem

Soumya Prakash Rana

Movement quality

The purpose of this research work is to investigate and propose a methodology for detecting and tracking human body landmarks using ultra-wideband (UWB) radars specifically human walking patterns (gait). UWB micro-Doppler signatures will be employed to develop the algorithms to detect limb and hip activity as well as inferring speed and quality of human movement. Radio Frequency (RF), UWB antenna arrays and high speed data acquisition modules will be introduced to conduct this research work. Gait data will be collected via dedicated UWB radio transceiver and/or radar sensors. Experimental data as well as informed modelling techniques will be utilised to develop non-intrusive movement quality detectors. Machine learning techniques will also be explored to investigate user recognition and identify changes in user movement quality for health applications.

Supervisor: Dr Sandra Dudley-McKevoy

Tara Singh Ghatauray

Passive hydrogen venting from small fuel cell enclosures

Hydrogen leaks in confinement can quickly achieve explosive concentrations. Fuel cells in small enclosures are vulnerable and require excess hydrogen to be vented. Mechanical systems can be used, but drain limited power. Passive systems are preferred that are failsafe. This investigation is providing experimental and CFD data/analysis in support of the small enclosure safety case.

Supervisor: Dr Paul Holboem

Vasilis Tsakanikas

Intelligent video surveillance

The scope of the planned PhD is to propose algorithms, technologies and techniques that will allow the automation of tracking and monitoring on noisy setups as well as behavioural rule extraction utilising machine learning technologies. The most important milestones are: (1) Image and video preprocessing algorithms. New imaging technologies will be considered, such as HDR sensors (2) Behavioural analysis and rule extraction can provide wide-range applications (3) The volume of acquired video streams has been significantly increased, demanding new data management services, through cloud infrastructures

Supervisor: Prof Tasos Dagiuklas
Zaneta Muranko  
**Changing behaviour in the retail refrigeration industry**

Zaneta is working on the development of a Pro-Circular Change Model, which is a novel framework that aims to identify and influence behaviours that can support the development of a Circular Economy. The aim of the framework is to encourage the purchase and production of remanufactured refrigeration equipment. This project is supported by the Bond Group, who is a UK manufacturer of refrigeration display cabinets.

Supervisors: Dr Deborah Andrews, Dr Issa Chaer, Dr Elizabeth Newton

Victor Nnamdi Onyenkeadi  
**Catalytic conversion of CO₂ to value added chemicals**

The global emission of carbon dioxide (CO₂) into the atmosphere has reached an unsustainable level that has resulted in climate change and there is the need to reduce the emission of CO₂. My research is titled “Catalytic conversion of CO₂ to value added chemicals”. The PhD research is aimed at utilising CO₂ as a raw material for the synthesis of value-added chemicals whilst designing and developing a greener process for the production of organic carbonates in order to establish a suitable heterogeneous catalytic system to replace the existing homogenous process.

Supervisor: Prof Bazu Saha

Zoe De Grussa  
**Blinds and shutters**

Zoe has embarked upon a PhD at London South Bank University working alongside The British Blind and Shutter Association. The PhD investigates how an everyday product influences occupant comfort, health and well-being, which can subsequently affect productivity in the workplace. This explores the thermal, visual and acoustic properties, user behaviour and analysis of how the product(s) lend themselves to be a low-cost, energy saving asset within the built environment.

Supervisor: Dr Deborah Andrews

Elaheh Hojjati Najafabadi  
**Solar thermochemical cycles for hydrogen production**

My project is focused on the investigation of sulphur-ammonia thermochemical water-splitting cycle for hydrogen production, where both thermal and quantum components of solar irradiation is used. My objectives are: evaluating different solar sensitive photocatalyst materials and composites based on cadmium sulphide (CdS) for the hydrogen producing step of the cycle, designing and optimizing a suitable photo-reactor for economically viable solar hydrogen production, and developing a viable process simulation for the overall sulphur-ammonia thermochemical plant.

Supervisor: Dr Anna Axelsson

Anna-Karin Axelsson  
**Material processing, nanotechnology, functional materials**

Nanoparticles have ultra small particle size, large surface area and other special characteristics. They have huge potential to be used in Enhanced Oil Recovery (EOR) process, especially in low permeability, low porosity and heavy oil conditions. There are lots of uncertainties of nanoparticles’ behaviours in EOR process and need to be explored.

Supervisors: Dr Pedro Diaz, Dr Suela Kellici

Dr Deborah Andrews  
**Sustainable design & manufacture for the circular economy**

Life Cycle Assessment to develop products and services that reduce environmental impact, create positive social impact and generate income. Projects vary in size from radiator valves to data centres, output includes tools to help designers and engineers to develop more efficient products, buildings and services. Current interdisciplinary projects respond to the needs in a complex world: changing user behaviour to develop a Circular Economy in commercial refrigeration sector, measuring the impacts of blinds on productivity and wellbeing, strategies & tools to design for the Circular Economy.

Supervisor: Prof Graeme Maidment

Donglin Zhao  
**Multiphase flow, Carbon capture, Reactor design**

Dr Zhao has wide interests in fundamental research on mass and heat transfer in multiphase systems, particularly focusing on novel reactor design and new process development spanning from mass transfer in jet loop reactor to liquid macro- and micro-sieving in stirred tanks, from boiling heat transfer enhancement to phase distribution in pipes and bends and from studying the behaviour of normal fluids to that of ionic liquids. Oxidation combustion, Hz production and flow assurance in pipeline are his current research areas.

Supervisor: Prof Graeme Maidment

Zhen Lu  
**PhD chemical, process and energy engineering**

Nanoparticles have ultra small particle size, large surface area and other special characteristics. They have huge potential to be used in Enhanced Oil Recovery (EOR) process, especially in low permeability, low porosity and heavy oil conditions. There are lots of uncertainties of nanoparticles’ behaviours in EOR process and need to be explored.

Supervisors: Dr Pedro Diaz, Dr Suela Kellici

Dr Jian-Guo Zhang  
**Ultrafast optical signal processing and all-optical sampling systems**

His research focuses on all-optical communications, optical sampling oscilloscopes, avionics optical data buses, picosecond/femtosecond pulse generation, next-generation access networks, and microwave photonics, respectively. He has published over 100 journal papers. He is a recipient of Young Scientist Award from the 1999 URSI/IEEE International Symposium on Signals, Systems and Electronics, 1996 URSI Young Scientist Award from the International Union of Radio Science, and Best Paper Award from the Second International Symposium on Communication Systems, Networks and Digital Signal Processing.

Supervisor: Prof Graeme Maidment

Pedro Diaz  
**Petroleum engineering**

Research on chemical methods of fluids displacement in porous media with application in the Enhanced Oil Recovery. Study of fluid-fluid and fluid-rock interactions with application to formation damage, oil and gas recovery. Study of multi-phase flow with application in fluid flow assurance processes, e.g. waxing, asphaltene precipitation.

Supervisor: Dr Graeme Maidment

Dr Antonio Vilches  
**Electronic devices, circuits and systems**

Electronic device design, modelling and testing, Circuit design, Embedded software systems.

Supervisor: Dr Jian-Guo Zhang
Dr Martin Bush

Educational Assessment

Having spent many years teaching technical subjects at LSBU, Martin became fascinated with novel variants of the traditional multiple-choice test. This led him to undertake both empirical and theoretical work in this area, which has been documented in a series of publications since 1999. In particular, Martin pioneered the ‘subset selection’ test format which is now used to assess first-year undergraduate students within the Division of Computer Science & Informatics. This was the focus of his recent keynote presentation at the 2017 International Conference on Computer Supported Education.

Dr Saim Memon

Vacuum insulated glazing & solar thermal energy applications

Dr Saim undertakes research in Low Energy Technologies for Building Retrofitting and Solar Thermal Energy applications in Thermo-Electric Generators to establish a validated and comprehensive mechanism for reducing UK domestic carbon emissions that is acceptable and appealing to users. He fabricated vacuum insulated glazings by developing novel methods and materials. He developed 3D heat transfer finite element models for the predictions of the thermal performance and developed dynamic thermal model of UK solid wall dwellings for analysing the potential of retrofitting triple-vacuum glazings.

Fatemeh Jahanzad

Emulsions and emulsification

Emulsions (simple and multiple emulsions) have many applications in different industries such as pharmaceuticals and oil recovery. The research is on methods, formulations and conditions of emulsification processes which determine the properties and so the applications of emulsions. The research on polymers focuses on polymerisation in dispersed media which has applications in industries such as coatings and oil recovery.

Glen Thompson

Design and aerodynamics

My research involves optimising a human powered vehicle bird speed record gyroscope. The project is unique as it encompasses a very broad range of subject areas, including engineering, physical and cognitive ergonomics, aerodynamics, mechanics, rolling resistance, transmission efficiency, digital electronics, sports science, composite materials (Finite Element Analysis), environmental science and computational fluid dynamics (CFD). The project represents an attempt to synthesise man and machine in order to achieve the fastest, most efficiently human powered vehicle on earth.

Helen Turnell

Geoscience Subsurface Interpretation

Development of sub-surface interpretation techniques from Seismic data, Well logs and geological outcrops for building Asset models. These might be hydrocarbon reservoirs, to improve recovery efficiency and/or reduce cost. Or other subsurface features, e.g. drainage systems, fracture patterns, CO2 storage facilities. Different approaches might require a new interpretation of existing data or a new development/application of software analysis.

Jon Selig

Geometrical aspects of Robotics

Jon’s work concentrates on the applications of modern geometry to problems in robotics and the theory of mechanisms. In recent work some classical algebraic geometry was used to investigate typical geometric constraints imposed by simple linkages. This also has application in the kinematics of simple mechanisms, in particular enumerating the number of postures for a general 6R serial manipulator is reduced to a simple homology computation. Another strand to his work recently has been to use differential geometry, in particular Lie theory, to study the typical kinematic equations of vehicles.

The teaching of software development

I am interested in capturing the essence of learning software development from a social science perspective, specifically using a phenomenological approach. The teaching and learning of software development is a global challenge. No country has made gains in reaching the learning thresholds above all others. I wish to take a live recording capture approach of the programming experience, using new ways of observation. I am also interested in using a vocational versus academic triangulation approach to learning software teaching from other contexts.

Professor Basu Saha

Greener and sustainable processes

My research focuses on catalytic reaction engineering, innovative greener and sustainable chemical technology and applied heterogeneous catalysis. My current research covers biodiesel and biofuels production, conversion of CO2 to value added chemicals and fuels, conversion of biomass to biofuels, greening of alliances oxidation, and continuous synthesis of value added products using continuous multi-functional reactors.

The effectiveness of chemical flooding CEOR is attributed to a combination of effects such as: reduction of the interfacial tension (IFT) between oil and water, modification of the interactions between fluids-rock and tailoring of properties of displacing fluids such as viscosity and relative permeability. Required properties for CEOR are strongly affected by the salinity and hardness of the reservoir connate water and the water used on the chemical slug. My research is aiming to study the mechanisms involved on design of the CEOR using ASP under high salinity and harsh conditions.

Prof Lawrence Dunne

Theoretical Physics and Chemistry

I use advanced mathematical techniques to make theoretical models of new materials such as superconductors and metal-organic frameworks. These have real potential for practical uses and so this research is at the forefront of a broad international research effort.

Susana Soares

Design for scientific and technologic awareness

Understanding of technological redesigned living systems can generate new frameworks for design practice. Investigating the development of 3D food printing that uses alternative protein as a medium for the production of sustainable food. How can co-design methods be used to reduce and prevent AMR in the domestic space?
PhDs awarded 2016

Name: Torkiowei Victor Biu
Award title: PhD
Thesis title: Statistical & Numerical Dentistry Derivatives Application in Oil and Gas Well Test Interpretation
Supervisors: Shiyi Zheng, Donglin Zhao

Name: Michael Andrew Child
Award title: PhD
Thesis title: Variants of the Coupling Between Objects Metric: The Impact on Fault Prediction
Supervisors: Shushma Patel, Peter Rooster

Name: Pedro Nuno De Oliveira Bastos
Award title: PhD
Thesis title: The influence of compositional and process variables on the structure and properties of plasma-sprayed glass coatings
Supervisors: Yuqing Bao, David Gawne, Hari Reehal

Name: Christopher Mark Craven Dowlen
Award title: PhD
Thesis title: Design Paradigms in Car History
Supervisors: Jon Warwick, Deborah Andrews

Name: Md Omar Faruq Howlader
Award title: PhD
Supervisors: Tarik Sattar, Nikolay Zlatov

Name: Riaz Khan
Award title: PhD
Thesis title: Structural Integrity Management and Improved Joint Flexibility Equations for Uni-Planar K-type Tubular Joints of Fixed Offshore Structures
Supervisors: Kenneth Smith, Ivana Kraincanic, Michael Gunn

Name: Zohir Kichou
Award title: PhD
Thesis title: A study on the effects of lime on the mechanical properties and behavior of London Clay
Supervisors: Maria Mavroulidou, Michael Gunn

Name: Andrew Oates
Award title: PhD
Thesis title: Processing and Characterisation of Silicon Micro-Rod Solar Cells
Supervisors: Hari Reehal, Yuqing Bao

Name: Abioye Oyenuga
Award title: PhD
Supervisors: Rao Bhamidimarri, Herbert Robinson

Name: Rim Saada
Award title: PhD
Thesis title: Catalytic Conversion of Carbon Dioxide (CO2) to Value Added Chemicals
Supervisors: Basu Saha, Donglin Zhao

Name: Zoheir Kichou
Award title: PhD
Thesis title: A study on the effects of lime on the mechanical properties and behavior of London Clay
Supervisors: Maria Mavroulidou, Michael Gunn

Name: Hafeez Ur Rehman Siddiqui
Award title: PhD
Thesis title: Automated Peripheral Sensory Neuropathy Assessment of Diabetic Patients using Optical Imaging and Binary Processing Techniques
Supervisors: Sandra Dudley-Mcevoy, Steve Atty, Michelle Spruce

Name: Markus Cremer
Award title: PhD
Thesis title: Digital Beamforming Techniques for Passive UHF RFID Tag Localization
Supervisors: Jim Pervez, Hari Reehal, Uwe Dettmer
Publications 2016

A


B


Bowen, J. P. (2016). The z notation. Whence the cause and whether the course? Engineering trustworthy software systems (pp. 103-151). Cham, Switzerland: Springer. doi:10.1007/978-3-319-26928-9_3


C


D


Muireann Kelly

“I hope that my work goes some way to start an honest, evidence-based conversation around nurses’ health – one that acknowledges that the nature of day-to-day nursing work and care environments may impact on nurses’ ability to make healthy choices”
The School of Health and Social Care has had an exciting and productive year and continues to benefit service users through improving the quality and effectiveness of care.

The School has continued to develop new opportunities for applied research through clinical collaborations, including new joint posts with the Royal National Orthopaedic Hospital and the Department of Health, and the launch of the Allied Health Professions Clinical Faculty.

Examples of our funded research that will improve people’s lives include Dr Eddie Chaplin’s work to support those with learning disabilities and autism spectrum disorders through the criminal justice system and the evaluation of a national quality improvement project led by Professor Nicola Thomas to identify people at risk of kidney disease.

Reflecting our role as a large education provider, our research is also about informing and changing practice and professional behaviour. For example, a series of projects led by Dr Andrew Whittaker are examining how social workers view and assess risk including that posed by criminal gangs and how practitioners should be taught about risk assessment and decision-making.

We continue to make headlines with studies that feed into changes in policies: Professor Alison Leary found that aspects of care that are delegated to unregistered nurses or healthcare support workers are associated with an increase in patient falls, which could lead to poorer patient outcomes.

The work of Professor Jane Wills on improving workplace health in the NHS has led to changes in access to healthy food for community nurses and to the prioritising of health and wellbeing objectives in staff appraisals.

The studies of our postgraduate research students are also making a direct impact on professional practice, including health promotion, education of healthcare professionals and improving care experiences and treatments for people who are living with long-term conditions.

Our staff and postgraduate students have disseminated their research nationally and internationally over the last year, raising the profile of our vibrant research community.
An innovative research project is underway at LSBU that aims to shed light on one of the world’s most traditional forms of medical treatment, but one that is still little understood, especially in the west.

PhD researcher Ian Appleyard is leading the project alongside LSBU supervisors Professors Nicola Robinson, Alison Tywcross and Nicola Crichton to examine the use of acupuncture and moxibustion for osteoarthritis of the knee. Moxibustion is a form of heat therapy in which dried plant materials (called ‘moxa’) are burned on or very near the surface of the skin. The intention is to warm and invigorate the flow of Qi (vital energy) in the body and dispel certain pathogenic influences.

“My project includes three pieces of primary research: expert interviews, a practitioner survey and a pilot study,” reveals Ian. “The expert interviews and practitioner survey combine to gather information on acupuncture in practice. No similar studies have been published on osteoarthritis of the knee; indeed, to date very little research has been conducted regarding acupuncture in practice for any condition.”

The pilot study Ian developed tests a novel protocol, designed to investigate a specific component of acupuncture practice: warm needle technique. Warm needle technique is a commonly practised method of traditional acupuncture, whereby, once needles are inserted, a small roll of moxa (mugwort, artemisia vulgaris) is placed on top of the needle and then lit. The heat from the burning moxa then travels along the needle to warm the selected area. “There is good evidence that acupuncture is effective for osteoarthritis of the knee, but none of the studies undertaken up to now used moxibustion. Our research aims to develop this idea and we have recruited 14 participants for the study, which will finish in mid-May 2017,” Ian says.

“Other aspects of the project have involved literature-based research, including a comprehensive review of the theory and treatment methods for osteoarthritis of the knee in modern textbooks; a review of reviews of acupuncture for osteoarthritis of the knee; and a systematic review of clinical trials comparing warm needle acupuncture to needle acupuncture. Due to the fact that the majority of the retrieved studies were published in Chinese, this is the first systematic review to take place in English,” he adds.

The project has taken place with assistance from the British Acupuncture Council, which provided a £50,000 research grant for the pilot study, while the Confucius Institute supports the project with staff and clinical space to run the pilot study. The Confucius Institute for Traditional Chinese Medicine at LSBU aims to promote Chinese culture and teach Chinese languages, and specifically focuses on traditional Chinese medicine and wellbeing. The Institute runs classes, workshops and events for all ages, and offers a BSc (Hons) degree in acupuncture. Meanwhile, the main acupuncture organisations, such as the British Acupuncture Council, the British Medical Acupuncture Society, the Association of TCM and the Acupuncture Association of Chartered Physiotherapists, all helped Ian and the team with the survey.

It is hoped that to take the project further a full-scale trial with colleagues from China or Korea (or maybe both) can be organised.
Researcher profiles

Oluchi Ashiegbu
Safety climate in Nigerian hospitals

The project is an investigation of The health, safety and wellbeing of professional health workers remains a fundamental human right. The dearth of safe working environments in Nigeria and other developing countries remains a vital contribution to the quality of care delivery. This research will explore the impact of workplace safety on patient safety and quality of care delivery in Nigerian hospitals.

Supervisor: Dr Bertha Ochieng

Andrew Whittaker
Decision-making in health and social care settings

My current research focuses upon expert decision-making in health and social care settings and the risks faced by young people in cities. Firstly, I have two RCTs of a video-based educational intervention designed to support novices to develop the risk assessment and decision making skills of experts called STEEP (Seeing Through the Eyes of Expert Practitioners). Secondly, I have a particular interest in the involvement of patients and the public in the research process. I have recently completed a co-produced study on shared decision-making where patients and carers were involved at every stage of the study, including the interviews, data analysis and dissemination of the findings.

Dr Alison Leary
Healthcare & workforce modelling

We work with healthcare organisations, NHS Trusts, charity and third sector partners to model healthcare to improve quality & efficiency. We do primary research in this area and also mine data for insight.

Dr Ingrid Bacon
Mental Health, Addictions, Codependency

This interpretative Phenomenological Analysis (PA) study explored the lived experiences of individuals, self-identified as codependents, who chose to step recovery groups to frame their recovery process. The idiographic, phenomenological and hermeneutic aspects of the study captured how participants made sense of their experiences of codependency, and the impact of this on their lives. The study brought a new light on the lived experiences of codependency, from an insider’s perspective.

Dr Annabel Goodyer
Children’ Views Studies

My research is in the field of child and family social work. I have published widely in this area, including a book ‘Child-Centred Foster Care’ about a study about children’s views of moving to and living in foster homes. My recent project concerns young people’s views of child protection.

Joanna Rawles
Professional education in social work

A phenomenological study based on critical incidents of learning into how how social work students develop skills for professional judgement.

Dr Louise Terry
Ethics and law plus educational research

Louise is Associate Professor in Law and Ethics. Her doctorate focused on withholding and withdrawing medical treatment. She has carried out research into using e-learning to teach ethics and law. Recent research identified a new pattern of knowing for nurses: organisational knowing. She led an international study exploring nurse educators’ understanding of care and compassion. She is currently leading research comparing the roles and values of occupational and environmental health nurses based in the UK and USA. She leads the Education and Professional Development in Practice Research Group.

Sally Beckwith
Higher Education

Sally’s research focus is broadly within the area of the Sociology of Education. Her doctorate concerned the pedagogical implications of teaching in mixed age classrooms, particularly in professional education. She is interested in the benefits and limitations of experience and work place learning and, in particular, the perceptions and experiences of older students. She expects to continue research in aspects of age and experience particularly in the context of a Life Course framework.

Lindsey Nicholls
Compassion in care work

Using psychoanalysis as a theory and research method I have tried to understand the relationship based care which is part of all clinical work. This has extended into understanding organisational and social dynamics which can support or undermine reciprocity and partnership working on care.

Professor Nicola Thomas
Kidney care

My research focuses on the experiences of people who have kidney disease. The specific focus is prevention of the condition and identification of people who are at high risk of progressive disease. I have a particular interest in the involvement of patients and the public in the research process. I have recently completed a co-produced study on shared decision-making where patients and carers were involved at every stage of the study, including the interviews, data analysis and dissemination of the findings.
PhDs awarded 2016

Name: Julian Barratt
Award title: PhD
Thesis title: A case study of the nurse practitioner consultation in primary care: communication and processes and social interactions
Supervisors: Nicola Crichton, Leslie Woods, Nicola Thomas

Name: Xiaoyang Hu
Award title: PhD
Thesis title: Integrative Medicine for Musculoskeletal Disorders: A Mixed Methods Study
Supervisors: Nicola Robinson, Ava Lorenc

Name: Raluca Oana Groene
Award title: PhD
Thesis title: Health literacy in the Undergraduate and Postgraduate Medical Education of General Practitioners
Supervisors: Jane Wills, Nicola Crichton, Gillian Rowlands

Name: Esme Gwendolen Paterson
Award title: PhD
Thesis title: Acupuncture for the Treatment of Phantom Limb Syndrome
Supervisors: Nicola Robinson, Warren Turner, Lynn Summerfield-Mann

Sandie Woods
Dementia
I am undertaking a Doctorate in Education with a focus on social inclusion. The research aims to explore the lived experience of Dementia Friends Champions, who are volunteers trained to deliver information sessions to raise awareness and promote dementia friendly communities. A qualitative phenomenological research design is being undertaken with eleven participants using purposive sampling. Semi structured interviews have been completed. Interpretative phenomenological analysis is being undertaken. Research poetry is being produced by the researcher, including found poetry from transcripts.

Tritega Mawaka
Dementia within Black communities
Available studies show that the prevalence of dementia within UK Black African and Caribbean groups is higher, with earlier onset of dementia compared with the indigenous White British population. People from Black and Minority Ethnic (BME) groups also present later to dementia services, with a more advanced disease at presentation. My research explores the lived experience of dementia specifically from the perspective of the individual of black ethnicity, using a phenomenological approach.

Tirion Havard
Domestic violence
I am currently undertaking research into the impact of mobile phones on domestic abuse. I am interested in how mobile phones are changing the face of domestic abuse and in particular the role that mobile phones have on the coercive control of victims/survivors, including impact on behaviour, thought processes and attitudes. I am also considering how this information could help practitioners with their risk assessments and interventions, including safety planning.

Prof Nicola Robinson
Acupuncture, Tai Chi to treat Health Conditions
Current research focuses on various health conditions, including musculoskeletal disease, phantom limb pain, osteoarthritis, women’s health and cystic fibrosis. Interventions include Tai chi, acupuncture, and natural products. Working with a technology company to develop a Tai-chi app for different age groups with different conditions as a self help approach. Exploring integrated packages of care, the development and use of clinical practice guidelines. Systematic reviews and surveys are being carried out with national and international collaborators.


Hopper Koppelman, M., Bovey, M., & Robinson, N. (2016). Evidence is in the eye of the beholder: The case of the 2016 draft NICE guidelines for low back pain [editorial]. European Journal of Integrative Medicine, 8(4), 311-323. doi:10.1016/j.eujim.2016.08.035


Lewith, G., & Robinson, N. (2016) integrating complementary and alternative medicine (CAM) and conventional diagnoses. European Journal of Integrative Medicine, 8(6), 879-880. doi:10.1016/j.eujim.2016.11.019


Two key initiatives have been introduced in the School of Law and Social Sciences (LSS) to promote and support research activity throughout the School.

The first is ‘Being Research Active in LSS’ which was launched in November 2016. The idea behind this new development is to provide academic colleagues with ideas on how to be research active and to support colleagues in undertaking research activities. The scheme involves a programme of workshops on topics including ‘how to win research funding’ and ‘how to use Twitter for research’, an annual research away day, divisional seminar series and celebration of research successes throughout the School.

The second new initiative ‘LSS Postgraduate Research (PGR) Research Labs’ consists of monthly research labs for PGR students and academic staff. These research labs focus on specific aspects of ‘doing research’ including ‘writing literature reviews’, ‘thinking about ethics’ and ‘undertaking qualitative and quantitative research methods’. Our Research Labs also showcase current LSS PGR research projects and firmly embed our PGR programmes within the School.

Taken together both initiatives demonstrate the vibrant and dynamic research community within LSS as evidenced by our on-going PGR supervision, seminar programmes, research funded projects and high quality outputs.
Author and historian Mickey Mayhew is currently completing his PhD at LSBU on the cult surrounding tragic queens Anne Boleyn and Mary Queen of Scots. As co-author of three books relating to Jack the Ripper and with a non-fiction work, The Little Book of Mary Queen of Scots, published in January 2015, the topic was an obvious one for Mickey to choose.

“My book, I Love the Tudors, was released in January 2016 and went straight to the top of the Amazon bestselling chart in Tudor history, while my fiction includes the urban fantasy frolic Jack and the Lad, the first instalment of the paranormal romance trilogy The Barrow Boys of Barking. I am also a regular columnist for several historical journals, am a film and theatre reviewer for various London lifestyle magazines and have had several short stories serialised,” he says.

“As a result, it was only natural for me to choose to undertake my PhD research in an area that I am passionate about. I’ve always been fascinated by Tudor history and felt there were a number of pertinent questions that needed answering about why so many women view Anne Boleyn as an iconic figure, as well as how they transfer their own feminist struggles onto her historical experience.”

Working with Mickey on the project are LSBU tutors Shaminder Takhar and Jenny Owen, alongside Claire Ridgway, the creator of the Anne Boleyn Files forum.

The research involves surveying the attitudes and behaviours of the Anne Boleyn Files online forum, reading numerous historical and subcultural texts and weaving them together into something coherent. In terms of what Mickey hopes to achieve with this work, he says: “I’d love to have the findings published in a book. Because I have had several Tudor books published during the course of my research, adding another to the list certainly wouldn’t go amiss!”

“My research has also revealed the rather strange dichotomy, whereby Anne Boleyn is venerated as a feminist example to women, but Jane Seymour is all but vilified for her ‘feminine failings’. Comments about this included: ‘she is... far more simplistic’, ‘Jane was just as bad as Anne, maybe even worse’, ‘We love to judge women’, and, perhaps most pointedly, reference were made to the recent phenomenon of ‘slut-shaming’!”

Postgraduate research work of any nature provides its own set of challenges for anyone undertaking it, but for Mickey, who was diagnosed with autism after leaving school, his condition has brought additional hurdles to overcome. “My autism has been a challenge from day one because even conducting a normal conversation can be a bit of a burden when you can’t maintain proper eye contact and you have to keep apologising for it,” he explains.

“However, I hope that other people with autism will perhaps see that you can still achieve all of the things that you want to do in life, especially in higher education. I left school at the age of 12 with no qualifications and now I have four degrees to my name, have had several books published and will soon have this PhD.”

Historian Mickey’s research aims to examine Anne Boleyn’s iconic status

Mickey Mayhew

“Felt there were a number of pertinent questions that needed answering about why so many women view Anne Boleyn as an iconic figure, as well as how they transfer their own feminist struggles onto her historical experience.”

Fan Boleyn
Researchers profiles

Aran Mark Lewis

The humanitarian impulse: cause of war in Libya and Syria

The project is an investigation of the role of the British government of humanitarian and security arguments to make the case for military action overseas. The methodology is a thematic analysis of debates in the Hansard parliamentary record relating to UK war campaigns in Libya and Syria, and comparison of the findings with relevant evidence of intervention outcomes. The objective is to assess the extent of British reliance on the humanitarian impulse in arguing for war, and to assess the credibility and efficacy of the tactic using available evidence from official and news media sources.

Supervisors: Prof Gaim Kibreab

Ayar Ata

A study of Kurdish diaspora in London

I looked at two interrelated questions of Kurdish modern history and the Kurdish diaspora formation in Europe since the 1920s. I specifically studied the transformation of identity within Kurdish diaspora in London and I analysed the process of becoming Kurdish Londoner from the perspective of the second generation of Kurds who born in London in the 1990s.

Supervisors: Prof Gaim Kibreab

Jennifer Lucky Oghenovo Agemierien

Boko Haram violence and State response

Boko Haram is a terrorist group that poses great threat to a fragile area of the Northern Nigeria, Chad, Niger and Cameroon. The activities of the group have been compared to that of the Al Qaeda, ISIS, and similar deadly terrorist group in the middle-east. The effect of this violence have left over 2.6 million people displaced internally and across the region. My area of research seeks to understand the proximate cause of the emergence of Boko Haram in the Lake Chad region and to critically evaluate responding techniques of the State governments of the region in tackling the crisis.

Supervisor: Prof Gaim Kibreab

Hurso Alhaji Kaka Adam

The politics of natural resource governance in Africa

My research will critically investigate, examine and analyse the factors that led to the conflicts in the oil rich Niger Delta region of Nigeria.

Supervisors: Prof Gaim Kibreab, Dr Seun Kolade

Md. Zahidul Islam

Resourcing for post-disaster housing reconstruction

This study investigates the effectiveness of resourcing in post-disaster housing reconstruction with reference to Cyclone Sidr and Aila in Bangladesh. Through evaluating post disaster housing reconstruction theories and approaches, the synthesis of literature, and empirical fieldwork, this research develops a dynamic theoretical framework that moves the trajectory of post disaster housing reconstruction towards the reconstruction of more resilient houses. Quantitative data were analysed employing one sample t-test, Chi-square, multiple regression, and hierarchical regression analysis.

Supervisors: Prof Gaim Kibreab

Quadri Mobolaji Ogunfemi

Sanitation and Human Security in South Sudan

South Sudan is a country of 11 million people where multiple interlocking conflicts since 1956 have affected sanitation and human security. Armed conflicts have compromised security and destabilised how sanitation is organised individually and collectively across population groups. Consequent economic decline has impacted on means to meet basic needs including sanitation. Climatic shocks add to these stresses further weakening ability to undertake sanitation with ease and dignity. The aim of this research is to examine whether sanitation contribute to human security or not in South Sudan.

Supervisors: Prof Gaim Kibreab

Asif Gulam

Admissibility of hearsay evidence in the international criminal court

Since the International Criminal Court (ICC) exercises jurisdiction, and since at times there is a difficulty in obtaining direct witness testimonies, then at times the only evidence that can be ascertained is ‘hearsay evidence’. This research analyses how hearsay evidence is brought into the court. After making the awareness of ICC’s position on hearsay, the research seeks to establish the ill effects of admissibility of hearsay. Because, neither it’s organising document, the Rome Statute, nor the Rules of Procedure and Evidence, contains any provisions of the admissibility of hearsay evidence.

Supervisors: Dr Emmanouela Mylonaki, Prof Craig Barker

Nadia Imtiaz Riaz

Role of human rights education in South Sudan

This research seeks to contribute towards the on-going dialogue on Human Rights Education and the role it could play in mitigating ethnic and sectarian conflicts in Pakistan. Research will investigate the role of Human Rights Education in promoting peace, based on the contribution of academic and ‘development through education’ programmes in place by international and local development agencies and government. Main aim of the research is to: Develop new knowledge and understanding of the alternative pedagogical methodologies to support HR agenda.

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Quadri Mobolaji Ogunfemi

Sanitation and Human Security in South Sudan

South Sudan is a country of 11 million people where multiple interlocking conflicts since 1956 have affected sanitation and human security. Armed conflicts have compromised security and destabilised how sanitation is organised individually and collectively across population groups. Consequent economic decline has impacted on means to meet basic needs including sanitation. Climatic shocks add to these stresses further weakening ability to undertake sanitation with ease and dignity. The aim of this research is to examine whether sanitation contribute to human security or not in South Sudan.

Supervisors: Prof Gaim Kibreab

Asif Gulam

Admissibility of hearsay evidence in the international criminal court

Since the International Criminal Court (ICC) exercises jurisdiction, and since at times there is a difficulty in obtaining direct witness testimonies, then at times the only evidence that can be ascertained is ‘hearsay evidence’. This research analyses how hearsay evidence is brought into the court. After making the awareness of ICC’s position on hearsay, the research seeks to establish the ill effects of admissibility of hearsay. Because, neither it’s organising document, the Rome Statute, nor the Rules of Procedure and Evidence, contains any provisions of the admissibility of hearsay evidence.

Supervisors: Dr Emmanouela Mylonaki, Prof Craig Barker

Nadia Imtiaz Riaz

Role of human rights education in South Sudan

This research seeks to contribute towards the on-going dialogue on Human Rights Education and the role it could play in mitigating ethnic and sectarian conflicts in Pakistan. Research will investigate the role of Human Rights Education in promoting peace, based on the contribution of academic and ‘development through education’ programmes in place by international and local development agencies and government. Main aim of the research is to: Develop new knowledge and understanding of the alternative pedagogical methodologies to support HR agenda.

Supervisors: Prof Gaim Kibreab
Researcher profiles
School of Law and Social Sciences

LSBU Research Community 2016

the concept of responsibility within international law. My current research is focusing on international law and international relations and aspects of state. I have also researched the relationship between diplomats, states and heads from jurisdiction in relation to international immunities in law. I completed my PhD on the subject of terrorism. At LSBU her research has focused on residential design and housing quality. Her current research is exploring the pervasive impact of Feng Shui on housing quality and on the design of cities. She is also researching the significance and maintenance of small urban spaces, focusing on the City of London.

International Law

At the centre of my work is a concern with the contemporary forms of the phenomenon of terrorism and the ways in which such phenomenon are dealt with by the international community through the adoption of particular legal frameworks. My research profile expands beyond the purely legal approach to a socio-legal investigation of the subject of terrorism.

International and Cross-cultural management and human resources

Investigating management practices in transitional periphery countries including Mongolia, Kazakhstan, China and Russia. I am also interested in areas of identity, gender and corruption in the organisation. I am a qualitative researcher and ethnographer.

Education, Children and young people, Arts-based methodologies

Arts Award Impact study recently completed for Trinity College London and Arts Council England (March 2016). Project examined the impact of Arts Award on young peoples’ education and career trajectories.

International Law

My primary research interest is in the field of public international law. I completed my PhD on the topic of “The Abuse of Diplomatic Privileges and Immunities” in 1991 and have subsequently written on international immunities from jurisdiction in relation to diplomats, states and heads of state. I have also researched the relationship between international law and international relations and aspects of international criminal law. My current research is focusing on the concept of responsibility within international law.

Mathematics Education

My research is in the teaching and learning of mathematics in schools. I am particularly interested in sociological and sociocultural perspectives on learning and teaching and the opportunity they offer for a focus on who succeeds and who doesn’t, and why. My early experience as a school teacher was followed by a PhD and more than 30 years as a researcher. I have published widely and have edited several books in the field and am a former Chair of the British society and President of the international society focused on research in mathematics education.

Inspired by Law

I am an early stage researcher in the above disciplines with a particular interest in Criminal Evidence and Advocacy.

Assessment in education

I am interested in assessment and its application in schools and HEIs. I am also interested in exploring the effectiveness of strategies used to develop learner independence.

Clinical Legal Education and Access to Justice.

My research is focused on the LSBU Legal Advice Clinic (LAC), an innovative student led public drop-in social welfare law advice service for London. I was the LAC’s founding Director. With colleagues in the School of Law and Social Sciences I am engaged in quantitative research on the impact of an extended placement in the LAC on students’ academic attainment. I am also planning a qualitative research project on the longer term effectiveness of the immediate drop-in advice we deliver in the LAC, involving follow up surveys and in-depth interviews with our clients.

EU law

I have just completed a PhD from Birkbeck, University of London, on the contribution of Erasmus student mobility to EU citizenship. I am currently researching the teaching of EU law after Brexit.

Social inclusion

I maintain a strong interest on the impact of tourism on vernacular landscapes and over the years my research has focused on the transformation of the landscape of Greek islands. Past research looks on how population mobility has affected the spatial structure of the landscape in Europe and the way that urban design provides answers to the expression of territoriality and negotiation of boundaries between migrants, hosts and tourists. Current research projects explore the contribution of urban agriculture to the inclusion of migrants in cities in terms of jobs and social opportunities.

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Dr Caitriona Beaumont

History of female activism in twentieth century Britain and Ireland

My work explores the history of female activism and women’s movements in twentieth century Britain and Ireland. I am particularly interested in the history of women’s organisations and how these groups have represented the interests of women in the past and played a key role in ongoing campaigns for gender equality.

Dr Christine Magill

Criminology

My research interests include: the role of the criminal justice 'system' and the different institutions within it, particularly the prison system and the supervision service, gender, violence against women and girls, particularly 'honour' crime; the impact of imprisonment on the families of prisoners; and criminal statistics.

Dr Federica Rossi

Critical approaches to terrorism and counterterrorism

My current research examines mobilisations of victims of terrorism in Italy and Europe. I am interested in understanding how victims’ advocacy impacts on the European legislation (memory laws, antiterrorism, penalty) and influence the legal and social definitions of terrorism.

Dr Helen Young

Sociology of Education

Helen’s research interests include: sociology of education, education policy, privatisation and academies, democracy and citizenship, governing and governance, and alternative education settings. Helen completed her PhD in 2014 at the Institute of Education, London. Her thesis was called ‘Ambiguous Citizenship: Involvement during the Cold War

Dr Julia Shaw

Psychology and Criminology

I do research on the fallibility of memory in legal contexts, including research on false memory, confessions, witness statements and victim memory. I also conduct research on misconception endorsement (and ability to change misconceptions) in police, military, and legal samples.

Dr Michael Leary-Owhin

Urban regeneration

In recent years my research has concentrated on various aspects of urban regeneration, urban policy and urban planning. The theoretical framework in which my research is located draws mainly on the ideas of the French philosopher/socialist, Henri Lefebvre, especially his book ‘The Production of Space’. Methodologically, my research uses primarily archival research methods, supplemented by interviews and visual data. The research also has an international comparative aspect.

Dr Philip Pinch

Human geography; spatial planning; mobilities

I have worked on a number of EU sponsored projects examining spatial planning and territorial cohesion across the European Union. Other research has focused on: design and moto-mobilities; political geographies of central-local government relations; and spatial planning strategies for water space and post-mining environments.

Dr Shaminder Takhar

Race and gender

My research covers areas concerned with social justice, equality and human rights. In my recently edited book which looks at global perspectives on being a woman. In this collection the writers focus on agency and resistance which has been central to my work. I am currently working on a local-global nexus of sexuality and human rights and how equality legislation in European countries has been evidenced through transnational influence on LGBT concerns in other countries. I examine developments and setbacks to equality legislation emphasising sexual equality as a human rights issue.

Dr Nicki Martin

Critical disability studies

I am a disabled researcher and I work in collaboration with other disabled researchers based on the principle ‘nothing about us without us’. I also lead on the EiD and I am very interested in encouraging practitioners who wish to undertake a professional doctorate. The EiD has an APEL route. My main interest is in encouraging researchers who may be at an early career stage or may not be in a position to be able to engage in research within a supportive environment. I was involved, for example, in setting up PARC (Participatory Autism Research Collective) at LSBU. (RAUTDISPARC@LSBU)

Dr Ruth Van-Dyke

Human trafficking and modern slavery

My research is concerned with how police are tackling human trafficking and modern slavery and how they work in partnership with a variety of organisations. I have explored how partners facilitate the prevention of modern slavery, the identification and protection of victims and the investigation and prosecution of offenders. As a result of this work I have been developing guidance on monitoring and evaluating anti-slavery initiatives.

Helen Easton

Women’s offending, prostitution, desistance, exiting prostitution

My research focuses on how women desist from crime and exit prostitution; I am particularly interested in adopting a gendered lens to theories of desistance in order to better understand how women desist / leave deviant careers and therefore what can be done to best support women through these transitions.
Hugh Atkinson

The politics of climate change and sustainability

I am currently researching the politics of climate change over the last two decades in the USA, with a particular focus on the Obama presidency. I am looking at both the opportunities and constraints for developing climate change policy. This will include an analysis of the increasingly partisan nature of party politics in climate change and an analysis of the power relations within the USA. The nature of climate change as a wicked and complex problem will also be a key focus.

Kathy Stylianou

Mediation

The experiences of children who have been directly consulted while their parents have gone through mediation as a means of resolving disputes arising from their separation or divorce. Also researching the cost of conflict and the use of community mediation.

Kim Silver

Final year undergraduate projects in higher education

The research explores the issues faced by staff and students in relation to the final year project or dissertation. Such assessments can demonstrate most, if not all, of the ‘skills and qualities of mind’ expected of a graduate. However, they also raise questions of preparation for the project and support during it. Can that support be reconciled with expectations of a high degree of independence?

Jenny Fogarty

Education: prison and university partnerships

I have been working with HMP Pentonville to deliver a 12 week course entitled Learning Together Education for Social Justice. Undergraduate Education Studies students studied alongside serving prisoners in the prison itself. The project was a life changing experience for all involved, which brought higher education behind the wire and challenged perceptions of self and other for everyone, staff, students, prisoners and the wider community.

John Koo

EU Law and Refugee Law

My research looks at a particular area of refugee law known as temporary protection. It seems to offer humanitarian protection while enabling states to limit their obligations. It is a contested form of protection, considered by some as a safety net in international protection, especially for a crisis, by others, as a mechanism to undermine stronger protection provided by 1951 Refugee Convention.

Martha Shaw

The role of religion and belief in education

I have completed qualitative research exploring the views of key stakeholders in the future of learning about religion and belief in schools. The impact of this research in ongoing in relation to the current review around the future of Religious Education.

Miguel Dias Costa

Second Homes (Tourism)

My research focuses on the “sense of home” in second homes and how this differs from the same concept in first homes. It spreads to several types of second homes, several types of ownership and aims to develop a model of understanding the nature and process of building a “sense of home”. 

Oonagh McGirr

Higher Education

I am conducting a qualitative study into teacher identity in practice in the MENA region. The work aims to collect the views and perspectives of higher education practitioners who are currently active in the region, detailing their beliefs and perspectives of identity in practice. The project will be presented as a constructed narrative to re-present the voices stories of the participants.

Prof Sally Inman

Citizenship, anti-racism in education, refugee experience

My current research is concerned with how refugees and asylum seekers in a refugee day centre understand their well being and how we might best provide better for their well being. As part of the project we are providing research training to clients and volunteers who are working alongside us as co-researchers.

Siham Adam

Spatial planning and development in Europe

Most recent research projects funded by EU ESPON Programme Potential of Rural Regions, Key Indicators for Territorial Cohesion, Comparative Analysis of Territorial Governance and Spatial Planning Systems in Europe. Worked and published extensively on projects in Baltic states and Poland. Currently doing PhD on the influence of policy mobility on the evolution of planning cultures and practices in a post-Soviet context. Adams, N. Cotella, G. and Nunes, R. (2015), The Engagement of Territorial Knowledge Communities with European Spatial Planning and the Territorial Cohesion Debate.

Ros Wade

Education for Sustainability

My research is concerned with the transformative learning which is needed to address the wicked problems of today, such as climate change, inequality, poverty, ecological destruction.
PhDs awarded 2016

Name: Abdullah Al Saleh
Award title: PhD
Thesis title: Analysing Shariah-Compliant Microfinance: A case study of Uganda
Supervisors: John Taylor, Michal Lyons

Name: Clifford Chitupa Mashiri
Award title: PhD
Supervisors: Gaim Kibreab, Tracey Reynolds

Name: Alexandra Mifsud
Award title: PhD
Thesis title: Developing Action Strategies for Sustainable Living amongst Employees at a UK University
Supervisors: Malcolm Plant, Ros Wade, Steve Lerman

Name: Allan Paul Tyler
Award title: PhD
Thesis title: Men selling sex to men: Representation, identities, and experiences in contemporary London
Supervisors: Jeffrey Weeks, Paula Reavey

Name: Jill Wilkens
Award title: PhD
Thesis title: Habitus Dislocation and The Importance of Affinity Groups for Older Lesbians and Bisexual Women
Supervisors: Jeffrey Weeks, Yvonne Robinson

Publications 2016


Pine, L. N. (2016b). Testimonies of trauma: Surviving Auschwitz-Birkenau. In P. Leece, & I. Crouthamel (Eds.), Traumatic memories of the Second World War and after (pp. 69-93) Palgrave Macmillan. doi:10.1007/978-3-319-33470-7_4

Russell, A. (2016). University based drop-in legal advice services in the UK; widening access to justice and tackling poverty. Paper presented at Academic Stand Against Poverty ASAP Brazil Conference, Sao Paulo, Brazil.


"Climate change is no longer news to anyone because people are aware of the impact of the use of fossil fuel cause to the earth. The impact of my research will not only reduce the emission of carbon dioxide but offer a valuable and more secure ways of producing other useful chemicals.”