

# Our researchers are changing the world

# POSTGRADUATE RESEARCH

# If you want to make a difference come and join us

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www.youtube.com/universityofleeds

#### Page WELCOME TO POSTGRADUATE STUDY AT 2 THE UNIVERSITY OF LEEDS

As one of the largest research-intensive universities in the UK, Leeds engages in world-class research across an exceptionally diverse range of disciplines with our community of 3,000 postgraduate researchers forming a vital part of our vibrant research culture.

For some, undertaking a PhD is the start of an academic career, for others it's a way of developing advanced skills and expertise, providing a gateway in to industry. For just about all, it is a journey which will explore the limits of your potential. It is a challenge, but one we are here to help you succeed in and to enjoy.

Leeds has one of the highest numbers of Marie Curie Initial Training Networks – multisite training to develop postgraduate researchers – in the EU, while 22 academics have been appointed to new leadership chairs across a range of disciplinary areas, from nuclear process engineering to the history of business and society, providing a focus for the development of excellent research.

We continue to make major investments in creating an enviable environment in which to live, work and play. Building work began in summer 2013 on the new £27.5m flagship university library, due to be completed in 2015, and over £25m has been invested in providing award-winning accommodation for postgraduate students.

Every day our talented postgraduate researchers are working on projects that are changing the world around us. If you want to be part of a research community that will encourage and stimulate, challenge and support you, then Leeds is the place for you. We look forward to hearing from you.

## PROFESSOR DAVID HOGG, PRO-VICE-CHANCELLOR, RESEARCH AND INNOVATION

# ACADEMIC EXCELLENCE

Established in 1904, the University of Leeds is one of the UK's largest universities, world famous for its teaching and research. Located in the heart of a vibrant, affordable and student-friendly city, the University is internationally recognised as a centre of excellence in a wide range of subject areas.

#### OUR RESEARCH ENVIRONMENT

With enormous economic, environmental and societal challenges facing the world, there has never been a greater need for original, creative and innovative research. Here at the University of Leeds, our postgraduate community is rising to the challenge, delivering world-class research across an exceptionally diverse range of disciplines.

#### RESEARCH EXCELLENCE

As a member of the prestigious Russell Group, the 24 leading research-intensive universities in the UK, we are committed to delivering the very best research. Leeds is one of the UK's foremost research universities with more than 90% of our research rated as 'world leading', 'internationally excellent' or of 'national importance'. We also secured eighth place for research power in the most recent Research Assessment Exercise (RAE).

More than half of our schools are ranked in the top 10 in the country, including Electronic and Electrical Engineering (ranked the best in the country), Italian, English, Food Science and Education, to name just a few.

We are in the top 100 universities in the world and ranked in the world top 50 in the subject areas of Geography, English, Education,Communications and Earth Sciences (QS World Rankings, 2013).

#### A THRIVING POSTGRADUTE COMMUNITY

We have a thriving postgraduate community at the University with more than 3,000 postgraduate researchers studying here. This vibrant community, coupled with our sheer size and breadth means that you'll be surrounded by academics and like-minded researchers, providing excellent opportunities for networking and collaboration.

#### FIRST-CLASS ACADEMIC RESOURCES

We are continually investing in our campus and facilities to make sure that you have the very best academic experience. By 2015, we will have spent an additional £157m on new buildings and refurbishments to provide you with a sustainable environment and the facilities you would expect from a world-class university.

The University provides an exceptional environment for research. Our library is one of the largest in the country with over three million items, while modern, fully equipped laboratories, a well-resourced Language Centre and first-rate IT facilities are also widely available on campus.

#### OUR ALUMNI NETWORK

Joining the University of Leeds is just the start of a lifelong relationship. When you graduate from Leeds you will automatically be part of a community of 210,000 Leeds alumni in more than 160 countries. Wherever you end up, we will help you to keep in touch with Leeds and the people you meet here, as well as provide you with automatic membership of a worldwide professional and social network.

I knew that my supervisor and the Socio-Technical Centre (STC), where I'm based, had strong industry links and this was particularly important to me when considering where to do my PhD.

### I FOUND THE EXPERTS AT LEEDS Phillipa Coan, PhD in environmentally sustainable behaviour in the workplace

I'd been working as an Organisational Psychologist (OP) for a couple of years when I came across an article written by the University of Leeds discussing how OPs need to focus more on the issue of climate change. As behaviour change experts we're in a strong position to help organisations contribute to this issue and I could see how a PhD in this area could enhance my career.

My PhD investigates how to facilitate a stronger link between environmental behaviours carried out at work and at home in order to accelerate behaviour change. I looked at other universities but found the experts at Leeds. I'd heard of Professor Chris Clegg, now my supervisor, before I came here. Chris has a great reputation and I knew he'd be a fantastic supervisor. Likewise, my second supervisor, Dr Peter Gardner, is an expert in health technologies and behaviour change.

Coming from a consultancy background, it was imperative that my PhD had practical significance. I am currently working with four different organisations and a large car manufacturing company interested in integrating my findings into their environmental programme – a link that I wouldn't have had, had I not been a member of my research group.



# STUDYING FOR A RESEARCH Degree at leeds

Undertaking a research degree is both enormously challenging and rewarding. Not only does it provide you with the opportunity to strengthen your research skills and knowledge, it will help you develop a much wider range of attributes, whether you want to develop your career in business and industry or in an academic environment.

#### WHY LEEDS?

As one of the largest research-intensive universities in the UK, Leeds engages in world-class research across an exceptionally diverse range of disciplines. Our postgraduate researchers are making a significant contribution to global issues by delivering research that has a far-reaching impact. We have continued to grow the value of our research awards won in a highly competitive environment – over £145m in 2012/13 – and had the ninth largest total research grants and contracts income in the sector in 2011/12 (Higher Education Statistics Agency (HESA), April 2013).

At Leeds, our community of over 3,000 postgraduate researchers forms a vital part of the University's vibrant research culture. For some, undertaking a PhD is the start of an academic career, while for others it's a way of developing advanced skills and expertise, providing a gateway to higherlevel roles in industry, the professions or related fields. For just about all, it is a journey that will stimulate your passion for your subject and explore the limits of your potential. It will be challenging, but we are here to help you succeed and to ensure you enjoy your time with us.

#### THE RIGHT RESEARCH DEGREE FOR YOU

We offer a range of research degrees which provide training in research, enhanced employment opportunities and the chance to develop advanced skills and expertise. Different study modes are available, including full-time, part-time\* and split-site study.

\*Students must meet certain criteria to be able to undertake part-time study. This route is not available for overseas candidates on a student visa.

#### Doctor of Philosophy (PhD)

A PhD is the most internationally recognised research qualification and is awarded on successful completion of a programme of supervised research. It is assessed by an oral examination (viva voce) and final thesis (of up to 100,000 words). A PhD normally takes three years full time or five years part time.

#### Doctor of Medicine (MD)

The Doctor of Medicine is for fully qualified medical doctors. It is similar to a PhD, but often contains a component of clinical research. This degree normally takes two years full time or three years part time.

#### Integrated degrees

The integrated degree of PhD and Masters provides an award of both a taught Masters and PhD degree and combines specialist advanced modules, training and skills courses, and research study.

#### **Masters degrees**

The Master of Philosophy (MPhil) provides research skills training similar to a PhD, but its duration is two years full time and four years part time. A Masters degree by research (MSc, MSc (Eng), MA, MEd) gives you the opportunity to experience research within one year full time or two years part time.

#### **Professional Doctorates**

Professional Doctorates are specifically designed to meet the needs of practising professionals, for example Doctor of Education or Doctor of Clinical Psychology. The normal duration is three years full time and five years part time.

#### Practice-led research

Practice-led study is also available to those who wish to pursue their chosen area of postgraduate research through practice within the performance and cultural industries.

#### Split-site study

International candidates of exceptionally high quality can apply to study for a split-site PhD, with periods of study in Leeds and at an overseas research institute, or commercial or industrial organisation. Please contact Postgraduate Research and Operations for further information. www.leeds.ac.uk/rsa High levels of knowledge are key to becoming a formidable academic and here I have access to all of the information and facilities that I need.

### **MY THIRST FOR KNOWLEDGE HAS BEEN SATISFIED HERE**

Emmanuel Sarfo, PhD in Ghanaian parliamentary discourse

I've always had an interest in studying to the highest level. As an academic in Ghana, I knew at some point I wanted to do a PhD, both for my own interest and to enhance my career. I was taught English by two lecturers who had studied at the University of Leeds. Enthused by their language and the way they taught, I told myself that this University was the place to be.

The admission process was impressive. When I first wrote my research proposal, I contacted a potential supervisor to discuss its viability. I was given valuable advice as to how it could be improved - in fact, I was surprised how much help I was offered. This reinforced my instinct that Leeds was right for me.

Thanks to this support, I produced a better proposal and achieved my ten-year dream of studying here. I still have the same supervisor and continue to enjoy substantial guidance.

Having already published articles on English language, I decided to extend my expertise to parliamentary discourse, with a view to offering insight into language use in the Ghanaian parliament. The University offers me outstanding resources including the library and vast electronic database. Access to such a wealth of information and the support from the University is invaluable and means my confidence as an academic is soaring.





Emmanuel is pictured in the Brotherton Library

# A WEALTH OF ACADEMIC EXPERTISE

The supervisor relationship is, for many, a key factor when choosing a research degree. Our academics are continually striving for academic excellence and are actively engaged in world-class research at the cutting-edge of their discipline. Many of our academics also have widespread practical experience in consultancy and act as advisors to prominent national and international organisations.

As a postgraduate researcher, you will usually be assigned at least two academic supervisors with relevant specialist subject knowledge. One will be your main supervisor and the others will be co-supervisors (where appropriate, cosupervisors may come from another department or from outside the University of Leeds). They will provide support and encouragement, challenge your ideas, offer advice on training and development, review your progress and provide guidance and feedback on your work.

"I really enjoy working with my PhD researchers. We spend three years together pushing the boundaries of knowledge and develop a close working relationship. I introduce researchers to a network of colleagues and like-minded researchers within and beyond this vibrant research-intensive University."

Dr Gary Chambers, Senior Lecturer, School of Education

#### INTERDISCIPLINARY RESEARCH

Interdisciplinary research is one of our great passions and strengths. We have a strong interdisciplinary ethos with many departments and schools collaborating in a number of research centres and clusters. These centres and clusters act as forums for the generation and development of ideas and support collaborative research, allowing researchers to freely interact across traditional subject boundaries.

#### OUR GRADUATE SCHOOLS

On joining the University, you'll become an integral part of a graduate school. Based within faculties, the graduate schools are designed to support you during your time with us and will provide you with opportunities to interact academically and socially across schools and departments through conferences, seminars and social events.

Each graduate school will also have at least one Postgraduate Research Tutor (PGRT) who will become a key point of contact for you, organising admissions and registration, while recording your progress and providing general advice on ethical reviews and other procedures such as transfer, progress, thesis submission, training, supervision and examination.

#### DOCTORAL TRAINING

Our centres for doctoral training are a mechanism for increasing interdisciplinary research activities to generate a greater flow of postgraduate research students in particular subject areas. Our established training centres bring together diverse areas of expertise and internationally recognised researchers under one roof in order to equip you with the knowledge and skills needed to address key global issues.

Each training centre provides excellent supervision, intensive research training and a supportive environment. Funded opportunities are available alongside intensive researcher and professional skills training for UK and EU candidates. (International candidates are welcome to apply but are advised to contact the relevant centre for further information on their funding eligibility.)

www.leeds.ac.uk/doctoraltraining

### THE INTERACTION I HAVE WITH MY SUPERVISORS IS VITAL TO MY SUCCESS

### Sanna Pampel, PhD in eco-driving

Having worked in software for four years, I realised that it was the human side that interested me, so I chose to pursue a PhD in eco-driving using a cognitive approach.

Meeting my potential supervisors before applying was vital, both to explore their fields of expertise and to make sure we would develop a good working relationship. I'm lucky to have three supervisors, each with a different area of expertise, providing me with a wealth of knowledge. I'm used to working by myself but my supervisors offer me the perfect level of guidance and supervision.

### Dr Daryl Hibberd - Research Fellow, Institute for Transport Studies

As a specialist in vehicle distraction and eco-driving, my expertise is linked directly to Sanna's research, so the synergy was there from the start. The relationship between supervisor and student is very important. It's crucial to work hard on the relationship - investing time in it is critical to a successful PhD. At the beginning, I focused on passing on my expertise to Sanna but, over time, she is becoming the expert so it is a learning curve for both of us. Day-to-day, I'm a sounding board for Sanna and I'm here to discuss any problems - academic or personal. It's all about striking a balance between guiding the researcher and allowing them academic freedom – supervisors are here to help develop ideas not constrain them. Sanna and Daryl are pictured in the University's driving simulator



I met one of my potential supervisors through a University event – their research fitted seamlessly with my field of interest so I knew I'd found a perfect topic-supervisor match.



# TRAINING AND DEVELOPMENT

Developing advanced skills is a vital part of your postgraduate research experience. We offer an outstanding range of academic development opportunities that will support you throughout each stage of your research.

As a postgraduate researcher at Leeds, you will also have the opportunity to develop new skills in the real world by participating in national and international conferences, publishing your research and provoking academic debate. You can work with industry on projects and placements, and with large-scale collaborative research partnerships, widening your professional network.

#### PROFESSIONAL DEVELOPMENT

Our Graduate Training and Support Centre (GTSC) is dedicated to your professional development. The GTSC offers a range of programmes tailored to specific subject areas, as well as general sessions on how to successfully structure, write and self-edit a paper for publication, and how to make the most of presenting your work at conferences. www.leeds.ac.uk/gts

#### SUBJECT DEVELOPMENT

Subject-specific training and development activity is often available through your faculty and/or school. From postgraduate modules through to seminars, public lectures and conferences, in the UK and overseas, there is a wide range of opportunities available to you.

#### LEARNING AND TEACHING WORKSHOPS

The Staff and Departmental Development Unit (SDDU) runs a series of workshops for postgraduate researchers and staff who have teaching responsibilities. These workshops focus on development of the essential skills required for demonstrating, small-group teaching, lecturing and assessing student work. "Developing my own skills has been one of the best parts of my PhD. I've taken advantage of the workshops offered by the Staff and Departmental Development Unit (SDDU) and the University, from software support to critical analysis skills, they've been very valuable. As a mother of two, I've worked hard to perfect my time management skills, too!"

#### Adekemi Omotubora PhD in electronic commerce and development

#### LEEDS POSTGRADUATE RESEARCH CONFERENCE

Every year the University holds a conference to showcase and celebrate postgraduate research and engage the academic community across all disciplines. The conference has a number of competitions, including the Postgraduate Researcher of the Year awards, prizes for research posters, a 'three-minute thesis' competition and 'tweet your thesis'. Previous winning entries can be viewed at **www.pgrconference.leeds.ac.uk** or follow us on twitter @ **UoLPGconference** 

#### WORLDWIDE UNIVERSITIES NETWORK

The University of Leeds is a founding member of the Worldwide Universities Network (WUN), a network of 18 research-intensive universities spanning six continents. As a postgraduate researcher, you will be encouraged to participate in collaborative programmes, and there are opportunities for you to be mentored by established experts in your field. To find out more visit **www.leeds.ac.uk/wun** 

#### LIBRARY AND IT SUPPORT

Right from the start of your studies you can access our dedicated library and IT provision. Discover information resources through your Faculty Team Librarian, who can provide one-to-one training and support, as well as our Skills@Library scheme, which offers a wide range of workshops throughout the year. We also provide specialist training in a large number of software packages, including Microsoft Office, and support a wireless network that allows you to connect to the University system when working off campus.



### I HAVE ACCESS TO EVERYTHING I NEED FOR MY RESEARCH

#### Oladipo Adewale, PhD in wastewater engineering

When I was looking for a suitable place to study for my PhD, reputation was key to my decision. The fact that the University of Leeds is part of the Russell Group made it immediately appeal to me and after a tour of the department where I saw the labs, met with my potential research group and supervisors, I made my mind up.

Years 1 and 2 as a PhD student are very different. My research into wastewater re-use and renewable energy production meant my first year was dedicated to desk study and literature review. The second year is more hands-on in the lab carrying out experiments. After a busy day in the lab, I end most days back at my desk writing up the results, sometimes until late. I'm also responsible for teaching modules to undergraduates and supporting Masters students. One of my biggest challenges is maintaining the balance between being a student and my commitments in the department. The University's strong international community has been a great help. I've enjoyed learning about the countries and cultures of fellow students, as well as forging some great friendships.

As part of my study, I've been lucky enough to attend a number of UK and international conferences. They provide an excellent opportunity to network, meet experts in your field, hear about cutting-edge research and present your own findings. My presenting skills have improved no end!

As a PhD student here, you get valuable support from your supervisor and research group. But what's equally important is your ability to work independently.

# **RESEARCH AREAS**

This section has been designed to give you an overview of our research areas. It is not an exhaustive list so if you have a particular interest or an idea for a proposal, please contact one of the areas below.

#### Accounting and Finance

www.business.leeds.ac.uk/phd

- Banking, Financial Services, Pensions and Insurance
- Business History
- Financial Accounting and Auditing
- Finance and Corporate Governance
- Financial Mathematics

#### **Biological Sciences**

- www.fbs.leeds.ac.uk/gradschool/
- Biomedical Engineering
- Cardiovascular, Sport and Exercise Sciences
- Ecology and Evolution
- Integrative Membrane Biology
- Neuroscience
- Plant Sciences
- Structural Molecular Biology
- Virology

#### International Business

www.business.leeds.ac.uk/phd

- Corporate Social Responsibility
- Cross-Cultural Management
- Globalisation: Area Interests, including Europe, China and India
- International Mergers and Acquisitions and Foreign Direct Investment

#### Chemistry

- www.chem.leeds.ac.uk/research
- Atmospheric and Planetary Chemistry
- Chemical Biology and Medicinal Chemistry
- Colour and Polymer Science
- Computational Chemistry and Chemical Physics
- Crystallisation and Directed Assembly
- Printed Electronics
- Process Research and Development
- Surface Coatings

#### Civil Engineering

- www.engineering.leeds.ac.uk/civil/research/
- Aerobiology and Infection Control
- Architectural Engineering and Building Science
- Contaminated Land and Ground Water
- Engineering Management
- Flood Risk Management
- Numerical Modelling for Environmental Problems
- Resource Recovery
- Structures, Materials and Geotechnics
- Sustainable and Resilient Infrastructure
- WASH: Water, Sanitation and Health
- Whole-life Performance of Assets and Risk Management

#### Classics

- www.leeds.ac.uk/arts/research\_in\_classics
- Ancient History
- Ancient Philosophy
- Augustus
- Greek and Latin Literature
- Hercules
- Post-classical Reception of the Classical World

#### Computing

- www.engineering.leeds.ac.uk/computing/research/
- Algorithms and Complexity
- Applied Computing in Biology, Medicine and Health
- Computational Science and Engineering
- Computer Vision
- Distributed Systems and Services
- Knowledge Representation and Reasoning
- Natural Language Processing

#### Computational Fluid Dynamics

#### www.fluid-dynamics.leeds.ac.uk

### Dentistry

http://medhealth.leeds.ac.uk/info/1240/research Clinical and Applied Dentistry Dental Public Health and Health Services Dental Education

#### Design

- www.pvac.leeds.ac.uk/research/
- Colour Imaging, Graphics and Appearance Management
- International Textiles Archiving
- Textile Materials Technology
- Visual Communications

#### Earth and Environment

- www.environment.leeds.ac.uk/research/
- Applied Geosciences
- Climate and Atmospheric Science
- Earth Surface Science
- Geophysics and Tectonics
- Sustainability Research

#### Economics

- www.business.leeds.ac.uk/phd
- Development, Financial Structure and Inequality
- Firm Strategy, Ownership, and Innovation
- Labour Markets and the Organisation of Work
- Macroeconomic and Monetary Theory and Policy

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• Political Economy, Applied Public Economics and Public Policy

#### Education

- www.education.leeds.ac.uk/research
- Childhood and Inclusive Education
- Education Policy
- Language Education
- Learning, Leadership and Policy
- Science and Mathematics Education

#### **Electronic and Electrical Engineering**

- www.engineering.leeds.ac.uk/electronic/research/
- Bionanoelectronics and Quantum Electronics
- Communication Networks and Systems
- Microwave and Millimetre-wave Engineering
- Nanotechnology
- Power Applications
- Sensor Networks
- Signal Processing for Communications
- Terahertz, Electronics and Photonics
- Ultrasonics and Instrumentation

#### English

- www.leeds.ac.uk/arts/research\_in\_english
- American Literature and Culture
- Critical and Cultural Theory
- Drama and Theatre Studies
- Eighteenth-century and Romantic Literature
- English Language
- Medieval and Early Modern
- Modern and Contemporary (British and Irish)
- New Humanities (Medical, Environmental, Digital)
- Postcolonial Literature and Culture
- Victorian Literature

### Fine Art, History of Art, Cultural Studies, Museum and Heritage Studies

- www.pvac.leeds.ac.uk/research/
- Cultural Politics
- Curation as Practice
- Feminism and Gender Studies
- Heritage and Museums
- Materialities
- Postcolonialities
- Social Histories of Art

#### Food Science and Nutrition

- www.food.leeds.ac.uk/research
- Food Chemistry and Biochemistry
- Food Colloids and Processing
- Nutrition and Public Health

#### Geography

www.environment.leeds.ac.uk/research/

- Cities and Social Justice
- Citizenship and Belonging
- Ecology and Global Change
- River Basin Processes and Management
- Spatial Analysis and Policy

#### Healthcare

http://medhealth.leeds.ac.uk/info/1120/research

- Health Systems and Services
- Healthcare Decision-making
- Medicines Management
- Mental Health
- Pain and Cancer Care
- Wound Management

#### History and Medieval Studies

- www.leeds.ac.uk/arts/research\_in\_history
- Colonial and Postcolonial Studies
- Enterprise and Cultures of Consumption
- Health, Medicine and Society
- Identity, Power and Protest
- Medieval Studies
- War and Peace

#### Law

- www.law.leeds.ac.uk/research
- Business Law and Practice
- Criminal Justice
- European Law
- International Governance
- \_

#### Management www.business.leeds.ac.uk/phd

- Decision Research
- Enterprise and Entrepreneurship
- Logistics, Information, Operations and Networks
- Organisational Behaviour and Socio-technical Systems
- Strategy, Innovation and Leadership

#### Marketing

- www.business.leeds.ac.uk/phd
- Consumer Behaviour and Branding
- Strategic Marketing
- .....

• Probability Stochastic Modelling and Financial Mathematics

#### Mathematics

www.maths.leeds.ac.uk/research

• Algebra, Geometry and Integrable Systems

Astrophysical and Geophysical FluidsMathematical Biology and Medicine

• Polymers and Industrial Mathematics

Analysis

Statistics

• Applied Nonlinear Dynamics

Mathematical Logic

#### **Mechanical Engineering**

- www.engineering.leeds.ac.uk/mechanical/research/
- Biomechatronics and Robotics
- Biomimetics and Bioinspiration
- Corrosion and Erosion-corrosion
- Datacentres
- Design Sciences
- Energy Efficient Automotive and Aerospace Design
- Engineering Fluids and Micro/Nano Fluidics
- Engineering Optics
- Scale Formation in Oil and Gas Production
- Surgical Technologies
- Thermofluids and Combustion
- Tribology and Surface Engineering

#### Media and Communication

- www.pvac.leeds.ac.uk/research/
- Cultural Production and Media Policy
- International Communication
- Journalism Studies
- Political Communication
- Visual and Digital Cultures

#### Medical and Biological Engineering

www.imbe.leeds.ac.uk

- Functional Spinal Interventions
- Joint Replacement
- Biomaterials and Tissue Substitution
- Tissue Engineering and Regenerative Medicine

#### Medicine

http://medhealth.leeds.ac.uk/info/230/research

- Applied Health
- Behavioural Sciences
- Biomaterials and Tissue Engineering
- Biomineralisation
- Biosatistics
- Cancer Biology
- Cardiovascular Medicine
- Epidemiology
- Gastroenterology
- Genetic Medicine
- Haematology
- Health Economics
- Health Informatics
- Health Sciences
- International Health (systems and services)
- Medical Education
- Medical Imaging
- Molecular Medicine
- Musculoskeletal and Rehabilitation Medicine
- Oncology
- Ophthalmology
- Primary Care
- Psychiatary
- Public Health
- Reproduction and Early Development

#### Modern Languages and Cultures

- www.leeds.ac.uk/arts/research\_in\_languages\_and\_cultures
- Arabic and Middle Eastern Studies
- East Asian Studies
- French
- German
- Italian
- Linguisitics and Phonetics
- Russian and Slavonic Studies
- Spanish, Portuguese and Latin American Studies
- Translation Studies
- World Cinemas
  - .....

#### Music

www.pvac.leeds.ac.uk/research/

#### Music and Science

- Music and Wellbeing (health, environment, society)
- Music Technology (history, development, computing, multimedia, instruments)
- Psychology of Music (development, identities, listening behaviour, perception)
- Technologies and Practices of Film Music

#### Music as Culture

- Critical, Historical and Applied Musicology
- Film Musicology
- Music and Cultural Difference
- Music and Literature; Music Journalism
- Popular Music (history, performance, cultures)

#### Making Music

- Composition (acoustic, electro-acoustic)
- Improvisation
- Performance Research (including historically informed performance, editing)

#### .....

Performance and Cultural Industries www.pvac.leeds.ac.uk/research/

Cultural Engagement, Policy and Practice

- Applied Theatre
- Cultural Histories
- Cultural Policy
- Cultural Value
- Arts Marketing and Cultural Experience

#### Performance Practitioner Processes

• Performer Training Histories and Practices

• Immersive and Environmental Performance

Performance and New TechnologiesDigital Performance and the Body

- New Writing and New Dramaturgies
- Performance and Heritage

Performance Technologies

- Adaptation and Intermediality
- Improvisation, Choreography and Collective Creativity

• The Phenomenology of Scenography in Performance

## Philosophy, Religion and History of Science www.leeds.ac.uk/arts/research\_in\_prhs

- History of Science, Technology and Medicine
- Philosophy of Science
- Philosophy of Physics
- Aesthetics
- Aesthetics
- Applied Ethics
- Epistemology and Philosophy of Mind
- Ethics and Metaethics
- History of Philosophy
- Metaphysics
- Philosophy of Language
- Philosophy of Religion
- Religion and Global Development
- Religion and Social Sciences
- Religion and Public Life
- Theology and Public Life

#### **Physics and Astronomy**

- www.physics.leeds.ac.uk/research
- Astrophysics
- Condensed Matter
- Molecular and Nanoscale Physics
- Quantum Information
- Soft Matter Physics

#### **Politics and International Relations**

#### www.polis.leeds.ac.uk/research

- African Studies
- British Government
- European Politics
- Global Development and Justice
- International Politics
- International Relations and Security

#### Process, Environmental and Materials Engineering

www.engineering.leeds.ac.uk/speme/research/

Advanced Combustion Science and Engineering

- Bioenergy
- Carbon Capture and Storage
- Chemical and Process Engineering
- Environmental Pollution Control, Monitoring and Modelling
- Fuel Cells
- Functional and Nanomaterials
- Global Energy Technology Systems
- High-resolution Electron Microscopy
- Interdisciplinary Energy Research
- Manufacture of Advanced Particulates
- Metallurgy
- Nanocharacterisation
- Nuclear Engineering
- Particulate Science and Engineering
- Petroleum Engineering
- Renewable Energy Systems and Future Fuels
- Virtual Reality Energy Systems Simulation

#### Psychology

- http://medhealth.leeds.ac.uk/info/1310/research
- Ageing
- Behaviour Change
- Childhood Development
- Health and Wellbeing
- The Nervous System

#### Sociology and Social Policy

www.sociology.leeds.ac.uk/research

- Care, Labour and Equalities
- Disability
- Ethnicity and Racism
- Family, Life Course and Generations
- Gender
- Health, Technologies and Social Practice
- Social Policy
- Sociology

#### Transport

- www.its.leeds.ac.uk/courses/phd/topics
- Economics and Discrete Choice
- Safety and Technology
- Spatial Modelling and Dynamics
- Sustainable Transport Policy

#### Work and Employment Relations

- www.business.leeds.ac.uk/phd
- Employment Relations, Innovations and Change
- Equality and Diversity
- Industrial Relations
- .....

# MAKING A DIFFERENCE: Research in the real world

Global solutions that make a difference in the real world are constantly being developed by our postgraduate researchers with new inventions and ideas delivering successful business ventures.

The University's support for innovation through the Research and Innovation Service (RIS) attracts world-class academics who continue to launch new initiatives to the global marketplace. Since 2006, we have filed more than 137 priority patent applications and helped to create 37 innovative spin-out companies, as well as form over 80 knowledge transfer partnerships (KTPs). Our Spark business start-up initiative has supported the creation of 170 new businesses and 334 new jobs, as well as delivering 126 proof of concept awards. www.leeds.ac.uk/business

#### SECTOR HUBS

The University has implemented a dynamic 'sector hub' model, creating interdisciplinary centres of excellence. Each sector hub provides a strategic approach to the way we work with industry and enables us to address multidisciplinary projects, providing you with unrivalled access to industry-leading experts and world-class academic supervisors.

From the Cultural and Creative Industries Exchange Hub's work with Marks & Spencer (M&S) around store design and layout, to the Climate and Geohazards Services Hub's collaboration with the re-insurance industry, these hubs enable our research to have a real and significant impact. **www.leeds.ac.uk/sectorhubs** 

#### STRATEGIC PARTNERSHIPS

We continue to build on our strategic partnerships with organisations such as Procter & Gamble, M&S, Arup, Sinochem, Opera North and Santander, and have developed ongoing relationships with academic consortia such as the N8 group of northern universities.

Recent projects have seen the University lead on the development of an innovative inventory system on behalf of the N8, a partnership between eight major research universities in the north of England. One year after the opening of the M&S company archive on campus, academics and students are working with M&S on a diverse range of projects focused on employability, culture and research. Research by one of our students has been instrumental in producing M&S's most sustainable suit to date. www.leeds.ac.uk/strategicpartners

#### KNOWLEDGE TRANSFER PARTNERSHIPS

Knowledge Transfer Partnerships (KTPs) are a governmentbacked scheme offering business and other organisations a collaborative opportunity to access specialist knowledge and expertise. Designed to improve competitiveness and profitability, and foster a culture of innovation, KTPs provide postgraduate students, staff and business with the opportunity to develop new knowledge and capabilities. Our dedicated KTP team provides support for projects from inception through to the completion of the project. www.leeds.ac.uk/ktp

#### COMMERCIALISATION

The University has a dedicated Commercialisation team that identifies, protects and manages the University's intellectual property (IP) alongside our academic expertise. This involves helping our research community to create 'spin-out' companies, providing business with access to innovative ideas and technology and engaging with external organisations to create new partnerships.

Our Commercialisation team focuses on supporting the activities of more than 3,000 researchers and has successfully facilitated the creation of several spin-out companies which began life as research projects. From the launch of a virtually waterless laundry technology to new dental repair procedures without the need for drilling, the innovations are endless. www.leeds.ac.uk/commercialisation



### MY RESEARCH LED TO STARTING UP A NEW COMPANY

# Tim Stevenson, PhD in materials science (awarded 2011)

Piezoelectric materials are found all around us, in parking sensors, mobile phones, fuel injection valves and ultrasound equipment, but for years their usefulness has been limited by low operating temperature, high lead content and fragile nature. My PhD in materials science allowed me to work on creating a range of new materials to overcome these issues, materials which would function under high temperatures and in extreme environments, like inside a jet engine.

Since completing my PhD, I've gone on to co-found Ionix Advanced Technologies Ltd, a company created to bring these new high-performance piezoelectric materials to market. Working with the University's Research and Innovation Service, we have secured investment in the company, put together a senior management team and much more.

Clients could include the aeronautic, automotive, oil and gas, and nuclear industries, so the potential impact of our research in addressing real world issues is huge! It's a thought that really inspires me - and scares me a little!

Undertaking a PhD not only gave me the opportunity to pursue my academic interests, it enabled me to develop a wider skillset crucial in trying to move the potential applications of the initial research project closer to a commercial reality. Tim is pictured outside the Great Hall

From working independently to project management, presentation skills and relationship building, I'm still utilising what I learned every day.



# **SHAPE YOUR CAREER**

# WHERE WILL YOUR RESEARCH DEGREE TAKE YOU?

Whether it's a job in the academic sector or a career in industry, your research degree from the University of Leeds will open up a wealth of opportunities for you.

Our dedicated Careers Centre offers a wide range of services designed to assist you in developing your future career. Our experienced consultants will encourage and support you and will help you plan the ways in which you can secure your future and compete for employment at the highest level. For further information go to http://careerweb.leeds.ac.uk

#### ENCOURAGING ENTREPRENEURS

Our Spark initiative has been designed to help support budding entrepreneurs and is a service available to you if you're considering the self-employment route. We have helped many graduates successfully set up businesses and our team of specialists will ensure you get the most up-to-date information, and, crucially, dedicated support throughout the entrepreneurial journey – from start-up to growth and beyond. http://careerweb.leeds.ac.uk/spark

"My training as a biomedical scientist is vital to my credibility in taking a lead role in scientific research and business. My PhD in cellular biology and biophysics – together with several years experience of raising aptamers against complex cellular targets and model disease systems – is intrinsic to my role today as CEO of Aptamer Solutions Ltd. I turned down an opportunity to do my PhD at Oxford because I felt the University of Leeds offered the broadest scope in molecular sciences, and the experience has given me the skillset to overcome some daunting obstacles. The speed and efficiency of the support structure was also truly impressive."

Dr Arron Tolley, Chief Executive Officer, Aptamer Solutions Ltd; PhD in cellular biology and biophysics (awarded in 2010)

















### MY PhD GIVES ME A COMPETITIVE Advantage in the Job Market

#### Sandra Karl, PhD in volcanic seismology

When I finished my Masters, I quickly realised I wanted to be a specialist, a real expert in my field. A PhD was the perfect solution. I'd been introduced to Professor Jurgen Neuburg at a conference as a Masters student. We stayed in contact and he invited me to the University of Leeds to tour the department and discuss my potential project. I immediately liked it here.

Each year as a PhD student is very different. For me, the first year was all about finding my feet, taking advantage of training courses and settling in a new country. After that the focus is on research where your supervisor is still a strong influence. Following that, work is completed independently allowing you to drive your own project. The final part of your PhD starts with thesis planning and gap filling, and then the write-up stage begins. By the end, I was standing on my own two feet and producing my own science.

Looking ahead at my career, I would say a PhD gives me a definite advantage over other candidates. The skills I've developed – from planning and time management to software and teaching – are a clear benefit. University careers fairs are a great chance to network, and staff have been extremely helpful in making introductions with industry contacts. Sandra is pictured in the School of Earth & Environment

The postgraduate community here is vibrant and incredibly supportive. I interact with fellow PhD students every day. We bounce ideas off each other and I have made many good friends.



# AN INTERNATIONAL EXPERIENCE

From international research that has a global impact through to creating a vibrant international community of postgraduate researchers, internationalisation is a key theme that runs throughout the University.

#### INTERNATIONAL COLLABORATIONS

You can choose to pursue a project that has an inherently international theme or participate in international conferences, seminars and events with the support of our Research Mobility programme. The programme will help you to visit one of our institutional partners elsewhere in the world or bring international collaborators from the Worldwide Universities Network (WUN) to you to facilitate the exploration of novel, new research ideas.

#### SERVICES FOR INTERNATIONAL SPONSORS

If you're an international sponsor looking to provide funding for a Leeds researcher, we offer a number of specialist services to help you monitor and manage the progress of your sponsored student. Our dedicated team provides a fast and efficient response to all your requests and provides support for campus visits, as well as liaison on finance, accommodation and graduations. To find out more about our services email the International team. **internationaloffice@leeds.ac.uk** 

## SERVICES FOR INTERNATIONAL RESEARCHERS

If you're an international researcher coming to Leeds, our International Student Office will ensure you receive specialist advice and guidance. The team provides a comprehensive range of services and activities to enhance your experience of Leeds and the UK. Welcome and orientation meetings are offered all year round for new international students to help you settle in and make the most of your time at Leeds.

Specialist advice is available on immigration issues (including visas and working in the UK during and after studies), opening bank accounts, adjusting to a new culture and support for students with families. Many of our international postgraduate researchers bring their families to Leeds where they join a vibrant community of international families with children of all ages. The International Student Office will support you in checking how visa rules and regulations will affect your family and will also provide information on the access you will have to healthcare and education for your dependants. www.internationalstudentsupport.leeds.ac.uk



#### OUR GLOBAL COMMUNITY

We offer a wide range of opportunities for you to mix with people from a variety of different countries and cultures. You and your family can get involved with a number of our Global Community activities including opportunities to explore some of the UK's great cities, countryside and attractions. Or why not visit our Global café, which brings together international students each Monday? You can also participate in the World Unite Festival hosted by the Students' Union to explore different cultures or perhaps become an intercultural ambassador and be part of the team that enhances the international experience of our global community of students.

#### OUR LANGUAGE CENTRE

Our Language Centre offers training courses throughout the year to help you develop the necessary English language and academic study skills required for entry to a postgraduate research degree. All courses are accredited by the British Council for the Teaching of English and are delivered in modern learning facilities on campus. During your studies with us you can make the most of our Self-Access Centre where you can access a wide range of language learning materials and receive support from experienced language learning advisors.

For further information on the Language Centre visit **www.leeds.ac.uk/languages** 

#### INTERNATIONAL APPLICANTS

We understand that applying for a UK research degree is different from applying for degrees in other countries and that you may require additional help with your application. We have a network of offices and agents around the world who can assist you with your application. You can arrange to meet our consultants regarding your application and the research opportunities available to you. For information on how to contact our offices and agents or to find out when a member of staff will be in your country please visit **www.leeds.ac.uk/visitstoyourcountry** 



I decided to take an additional introductory level English language course at the Language Centre. This was really helpful as although I understood the language before I attended this course, I didn't always have enough confidence to start speaking it.

### IT WAS MY DREAM TO COME AND STUDY IN THE UK

### Yajira Yanet Basulto Solis, PhD in water management

Since i was young I have always been interested in UK culture. I first heard about the University of Leeds from my supervisor on my Bachelors degree (in Mexico) who had completed her PhD here. She had very positive things to say about the University and life in Leeds in general.

I received good support from the postgraduate office, which helped with the application process. It felt like a big challenge to apply and study at PhD level outside my country, however, I have now seen that it is not as hard as you might initially think.

I studied English while completing my Masters degree in Mexico and when I arrived here I decided to take an additional introductory level English language course at the Language Centre. I also visited the International Student Office on arrival and they provided me with an introduction to the University and a tour around the campus. When I complete my PhD, I would like to return to my home country, Mexico, as my PhD is about my home town so I really want to use my new knowledge to make a difference.



Yajira is pictured in the Language Centre

# **FINANCE AND FUNDING**

Postgraduate research study is a major investment in your future, but there is support available to help ease the financial pressure.

#### **SCHOLARSHIPS**

The University and external funding bodies, such as Research Councils, offer a range of scholarships to home, EU and international students that cover full or partial course fees, and/ or maintenance payments. We also have a range of scholarships available for the study of specific projects through our centres for doctoral training and numerous awards from individual departments and faculties.

We maintain an extensive portfolio of over 250 postgraduate scholarships for international and Home/EU students in excess of £21m (supporting both Masters and research students). Scholarships are awarded on the basis of academic merit and are very competitive, so it is important you make enquiries and apply to all relevant sources as early as possible.

Scholarships funded by the University, faculties, schools and external agencies are available to new international students each year. If you are coming to study here from overseas you should also contact your own government agencies, as there may be educational support schemes available which provide funding to study in the UK.

Our postgraduate scholarships website gives you access to a searchable database of all University postgraduate research funding opportunities at Leeds. You can search according to your nationality, subject and by area of study.

To search the database or check individual award values and eligibility visit www.scholarships.leeds.ac.uk

#### ALUMNI BURSARY

If you are a former undergraduate or Masters student from the University of Leeds and you are studying for a full Masters or research degree, you may be eligible for a 10% alumni tuition fee bursary. To check the latest eligibility criteria and deadlines visit

www.leeds.ac.uk/alumnibursary

#### FUNDING FOR DOCTORAL TRAINING

Our centres for doctoral training offer funded PhD opportunities alongside intensive researcher and professional skills training for Home and EU candidates. (International candidates are welcome to apply but are advised to contact the relevant centre for further information on their funding eligibility.)

For further information visit **www.scholarships.leeds.ac.uk** it is also worth checking with each centre to see if any additional scholarships are available.

### OTHER FINANCIAL SUPPORT

#### **Research Council funding**

Every year the University of Leeds receives over £7m from the Research Councils to fund new postgraduate scholarships (both Masters and research). Candidates should check the relevant Research Council website for further information. www.rcuk.ac.uk

#### Trusts, charities and foundations

There are many trusts, charities and foundations that award partial funding for postgraduate study. There are huge numbers of applications for these sums of money, so you'll need a strong case to make a successful application.

Useful external sources www.findaphd.com www.jobs.ac.uk www.postgraduatestudentships.co.uk www.prospects.ac.uk www.britishcouncil.org www.researchresearch.com www.postgraduatesearch.com jobs.theguardian.com

#### FEES

Fees for international students vary according to the programme being undertaken. For the latest information on fees visit www.leeds.ac.uk/pgrfees

Self-supporting students can pay fees in full, or in two instalments (50% payable on registration and 50% payable by direct debit from a UK bank account approximately five months after your start date).

In addition to academic fees, you will need to budget for living costs. The cost of living in Leeds is relatively low by UK standards and can vary depending on individual lifestyles, but we recommend a living cost budget of  $\pounds 650 - \pounds 800$  per month.

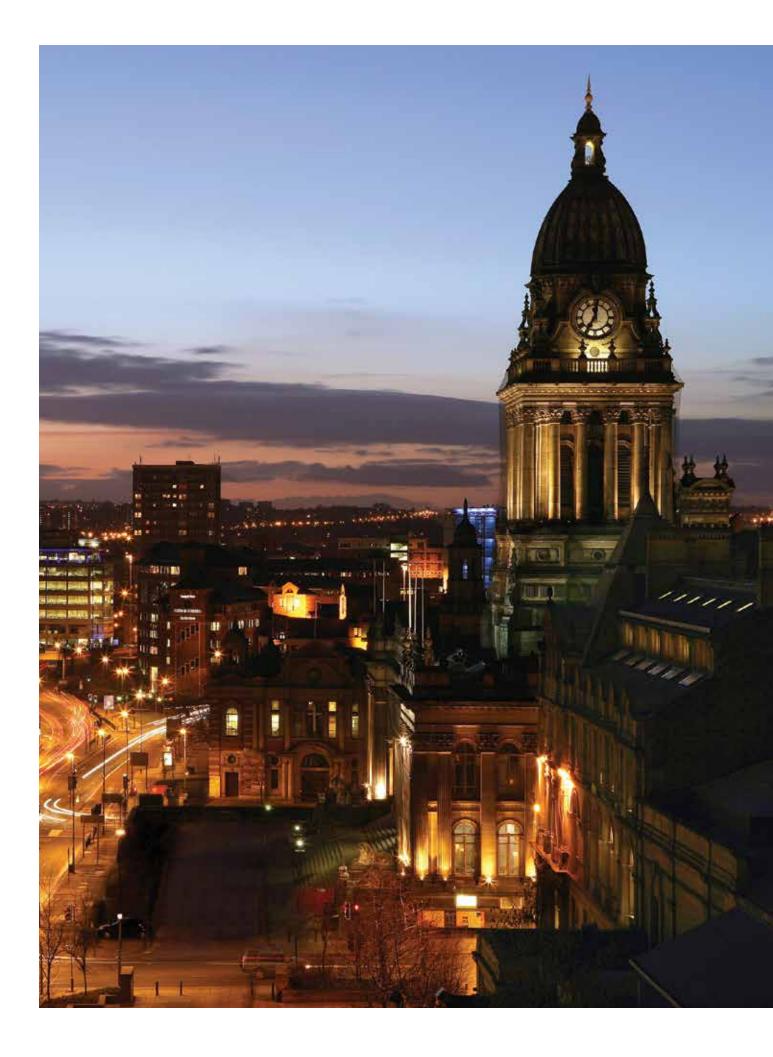
## FUNDING PROVIDED ME WITH PEACE OF MIND

Steven O'Hare, PhD in the performance and vulnerability of road networks

Steven is pictured outside the Parkinson Building



The invaluable support from my supervisor enabled me to refine my research proposal, a crucial factor in securing a University scholarship.



# LIFE IN LEEDS

We take pride in providing students with a fulfilling academic experience, as well as an active social life. In over a century of teaching and research, the University has invested heavily to provide students with first-class facilities making our campus a fantastic place to work and study.

One of the largest single campus universities in the UK, the University of Leeds has all the amenities of a small town with the added benefit of the city being right on your doorstep. Just a 10-minute walk from the University campus, you'll find all you need and more in the city of Leeds so you really can enjoy the best of both worlds.

#### ACCOMMODATION

Whether you are looking for family accommodation, a shared house, flat or studio, there is a wide range of accommodation on offer in Leeds. Our University-owned accommodation is located close to campus and the city centre. We provide a range of different residences and contract lengths as well as flexible payment methods.

Your rent includes all energy charges, internet access, contents insurance and The Edge club membership\*. All of our accommodation has laundry facilities, a 24-hour security service and you will benefit from pastoral support from our wardens and subwardens.

We guarantee an offer of University accommodation to all single postgraduate students who are paying international fees, providing you apply for accommodation before the deadline -1 July. Late applicants will be allocated University accommodation depending on availability. If you are a UK or EU postgraduate we are unable to guarantee you a place in University accommodation but we are confident we will help you find a suitable place to live.

If you are starting your course in September or October, you can apply online and your accommodation will be allocated between July and September. If you are starting at any other time of year, please apply for accommodation at least two months before you are due to start at the University. You will need to email **accom@leeds.ac.uk** for an application form. Once you have been allocated accommodation we will email your contract, which you need to accept and pay a £200 deposit within seven days.

For further information on University-owned accommodation and for details on how and when to apply, please visit www.accommodation.leeds.ac.uk

If you are bringing your family to Leeds with you, although we do have some family accommodation available, there is a wealth of private housing available in Leeds. We recommend Unipol Student Homes http://unipol.org.uk/leeds

\*Not included in family or summer accommodation; terms and conditions apply.

#### SPORTS FACILITIES

Whatever your level of fitness, the University provides excellent opportunities to keep healthy and get active. So, whether you want to participate for fun, or at club or elite level, there are lots of ways to get involved. The Edge is our flagship indoor facility located on campus. We also have a further performance sports centre on campus, a dedicated studio and excellent outdoor facilities at Weetwood playing fields. We have an extensive intramural programme league and over 60 different sports available through the Students' Union. For more information visit **www.leeds.ac.uk/sport** 

#### HEALTH AND WELLBEING

Throughout your postgraduate studies, you can be assured of our help and support. We have a network of specialist services centred on you and your wellbeing, including the Student Counselling Centre, Chaplaincy team, Disability Support and Leeds Student Medical Practice. Information and advice is available through our Help@Leeds website and App, which have been designed to ensure you find advice quickly and easily when you need it the most.

For postgraduate students with a family, we have a multi-award-winning childcare facility on campus, Bright Beginnings. It's advisable to contact our Disability team and childcare facility as soon as possible to discuss your needs while studying with us. http://help.leeds.ac.uk

#### STUDENTS UNION

Leeds University Union (LUU) is located at the heart of campus and provides a variety of services for postgraduate students. Run by students for students, it has a real impact on campus and in the wider Leeds community. The Union offers over 280 clubs and societies, providing you with a relaxed and friendly environment to socialise. You can also find volunteering and part-time work opportunities through the Union as well as access to a free advice centre. **www.leedsuniversityunion.org.uk** 

#### LEEDS THE CITY

Leeds is a city rich in history, culture and diversity. Renowned as a centre for arts, sports, leisure and entertainment, Leeds is a dynamic, exciting city surrounded by beautiful, natural countryside. With one of the most diverse economies in the UK, Leeds has become Britain's most important financial, banking and legal centre outside London. Constantly improving, the city has invested in its infrastructure to move with the times, spending over £3bn within the past 10 years. Leeds also has a great sporting tradition and has been chosen as the host city for Le Grand Départ, the start of the 2014 Tour de France.

#### ARTS AND CULTURE

Leeds is a city bursting with culture. The only city outside of London with its own opera and ballet companies, Leeds also boasts several professional theatres. Leeds Art Gallery has one of the best collections of contemporary art in the UK, while the Royal Armouries houses a national collection of arms and armour.

#### SHOPPING

The city boasts over two miles of traffic-free shopping and beautiful Victorian and Edwardian arcades filled with shops of every kind, from vintage boutiques to international high street favourites. Last year saw the opening of Trinity Leeds, a new retail and leisure development in the heart of the city.

#### FOOD AND DRINK

Leeds caters for a wide variety of tastes and lifestyles. Restaurants, cafés and local amenities serve a variety of international cuisines with international supermarkets and one of the largest undercover markets in Europe also on your doorstep.

#### NIGHTLIFE AND MUSIC

Whatever your interests you can be assured that you will find something to suit your lifestyle in Leeds. The city is host a wide variety of events, gigs and live acts with an actionpacked programme of events also available here on campus. There are lots of live music venues in the city, including the brand new First Direct Arena, the O2 Academy and the Cockpit.

#### SURROUNDING AREA

In Leeds you are never far from a large country park or natural beauty spot with breathtaking scenery and a range of historic landmarks for you to explore.

Only two hours from London and three hours from Edinburgh by train, Leeds is the perfect base to travel around the UK. Excellent air, rail and road links provide you with the opportunity to travel further afield, with fast, frequent and affordable local transport available throughout the city.

www.leeds.ac.uk/leedsandyorkshire



# HOW TO APPLY

#### HOW DO I APPLY?

**Step 1:** Explore the research interests of our nine faculties to find out what projects or research areas are available **www.leeds.ac.uk/faculty** 

**Step 2:** Submit an application for postgraduate research study online. **www.leeds.ac.uk/pgr/apply** 

**Step 3:** Submit supporting documentary evidence (academic transcripts, reference letters, English language certification) alongside your application.

Please note that the offer of a place of study does not imply that you will receive funding. Please contact the relevant school or faculty admissions office for information on available start dates.

#### ENTRY REQUIREMENTS

You should hold a first-class or second-class honours degree, or equivalent qualification, in a subject relevant to your proposed field of research. If your first language is not English, you must also provide evidence of meeting the University's minimum English language requirements:

- IELTS with a score of 6.0 (with not less than 5.5 in any component)
- TOEFL (iBT) with 87 overall (with not less than 20 in listening, 20 in reading, 22 in speaking and 21 in writing)

Other qualifications may be acceptable; please contact the individual school or department for further information. Please note that some schools and departments may have requirements above the stipulated minimum. Find out more at www.leeds.ac.uk/pgr

#### YOUR RESEARCH PROPOSAL

As part of your application you may need to provide a brief description of the research area in which you are interested, or you may be asked to submit a specific research proposal. Some subject areas require a more detailed research proposal.

Your proposal is often the start of your postgraduate research journey and is an ideal opportunity to give us a good indication of your research interests and provide us with an example of your written work, however, projects can be further negotiated during the admissions process. If you are applying for a predefined project scholarship or a doctoral training centre programme, you do not need to provide a research proposal at the application stage, but you should state clearly the project title on the application form.

School and department requirements may vary, so please contact the relevant school or faculty admissions office. The research proposal can be submitted through the application form (maximum of 1,000 words) or emailed as an attachment to the department to which you are applying.

# HOW TO FIND US

#### The campus and the city

As you can see from the map below, our campus is just a short walk from the city centre and all the attractions and amenities it has to offer, including theatres, bars, restaurants, bus and rail stations, and more. www.leeds.ac.uk/citylife

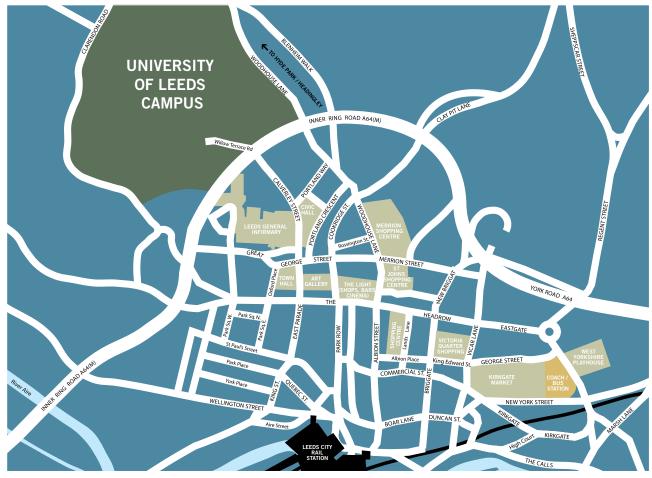
#### How to get here

For full details on how to get here by train, bus, car and air please visit **www.leeds.ac.uk** and click on 'how to find us'.

City	Distance	Minimum travel time by train
York	24 miles	22mins
Manchester	42 miles	54mins
Newcastle	96 miles	1hr 21mins
Birmingham	118 miles	1hr 55mins
London	195 miles	2hrs 6mins (King's Cross)
Edinburgh	206 miles	3hrs



#### Leeds city centre map



#### Legal

For current information on courses, fees and entry requirements please visit our website at www.leeds.ac.uk/postgraduate

Whilst the University endeavours to ensure that the information contained in this brochure is accurate at the date of publication the University does not accept liability for any inaccuracies contained within it. Where circumstances change outside the reasonable control of the University, the University reserves the right to change or cancel parts of, or entire, programmes of study or services at any time without liability, even after students have registered at the University. Circumstances outside of the University's reasonable control include, industrial action, over or under demand from students, staff illness, lack of funding, severe weather, fire, civil disorder, political unrest, government restrictions and concern with regard to the transmission of serious illness. The University's contract with its students does not confer third party benefits for the purposes of the Contract (Rights of Third Parties) Act 1999.



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