



UNIVERSITY OF
LIVERPOOL
IN LONDON

Career Opportunities in the Design Disciplines:
Architecture, Urban Planning, Industrial Design
and VR Digital Technologies

Full or Part Time (8 Posts)
London Based



The University of Liverpool has a proud history in the design disciplines of Architecture, Industrial Design and Urban Planning. We are recognised as a leading voice in advancing the value of design as a driver for innovation across disciplines and industrial sectors, with benefits for enterprise, policy and education.

We are seeking 8 inspiring individuals to join our community of academics, industrial partners, students and collaborators, who are operating at the forefront of this field. All of the positions will be based at our state of the art campus in Central London, equipped with a dedicated design studio and workshop facilities as well as our world class Virtual Engineering Centre. Successful candidates will help to shape and deliver our dynamic new Design Year in London Pathway for 3rd year undergraduate students.

Using design as an approach to collaboration across disciplinary boundaries is core to our vision. We offer opportunities to innovate, shape and influence our design agenda in London, integrated with the academic community at Liverpool and at our Joint Venture University in Suzhou, China. You will be encouraged to develop your interests and reputation in the field, in collaboration with a global network of academic and industry partners who share a common interest in design.

We have a variety of permanent posts available as well as opportunities for guest lectures from industry and academia, adding to the vibrancy and relevance of our offer. There is considerable flexibility for full or part time appointments and we welcome applications from academics or industry practitioners at varying levels of experience.

Design Chair

We would welcome applications from suitably qualified and experienced candidates in any of our principal disciplines, with capability to lead across interdisciplinary teams.

Lectureships

We have openings for lecturers, senior lecturers and readers in

- Architecture and/or Urban Heritage
 - Industrial Design
 - Urban Planning and Design
 - Urban Planning and Real Estate.
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Virtual Reality and Digital Technologies

We are seeking a Virtual Reality and Digital Technologies Specialist to join our Virtual Engineering Centre.

Flexible Opportunities

We value the diversity of our design community and offer flexible ways for academics and industry specialists to contribute to our teaching and research activities.

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1 *University of Liverpool*

INSPIRING • CHALLENGING • SPIRITED • AMBITIOUS

Founded in 1881 as the original 'red brick', the University of Liverpool is one of the UK's leading research-intensive higher education institutions with an annual turnover of £523 million, including £95 million for research. We are consistently ranked in the top 200 universities worldwide.

We are a founding member of the prestigious Russell Group of the UK's leading research universities, and have a global reach and influence that reflects our academic heritage as one of the UK's largest civic institutions.

Our global influence and connectivity is unrivalled in higher education and we are recognised as one of the world's most internationalised higher education institutions. We aim to be world-leading in globally important research areas whilst supporting our students to become creative and culturally rich graduates with a global and commercially relevant outlook. We work with 33,000 students, 8,000 of whom travel from all over the world to study here, and 215,000 alumni in 171 countries.

Our global focus has led to the establishment of a university in Suzhou near Shanghai, in partnership with Xi'an Jiaotong University, as well as our campus in Central London. We are the largest provider of 100% online postgraduate degree courses in Europe, with over 10,000 students studying for Liverpool degrees around the world.

Our partnerships with overseas governments, research institutions and industry partners create a platform to work with the world's most outstanding talent. We are actively driving innovation and with 81% of our research ranked as 'world-leading' and 'internationally excellent' in the last REF, we are addressing some of the world's most important challenges.

We are passionate about inspiring people to learn and achieve. We celebrate individuality, ingenuity, energy and enterprise. We are committed to continually enhancing the experience, opportunities and influence of our staff and students and to consistently achieving excellence in teaching and research.



2 *Design at* Liverpool

GLOBAL • DIGITAL • CONNECTED

Today, design is no longer rooted solely in disciplines, industries or sectors. It is increasingly transdisciplinary; bringing together methodologies, processes and services that draw on a range of knowledge and capabilities to drive innovation. It is as focused on developing systems as it is on outputs, on understanding design's implications as much as its applications.

This work is not only delivering exciting new programmes and activity in Liverpool and London, but it is forging new connections across the academic community to advance research.

We are responding to these changes by bringing together academic expertise, networks and facilities to support the development of a transdisciplinary approach to design. This will be strengthened in London through a series of design-oriented appointments and by increasing opportunities for industry specialists to contribute to our teaching and research activities.

Drawing on our established strengths in design research and education our approach leverages high levels of creativity, enabled by technology, interdisciplinary working and willingness to take risks.



3 *The University of Liverpool* in London

The global connectivity of London and proximity of our campus to design industry clusters has made the University of Liverpool in London a natural hub from which to accelerate our interests in this field. We were the first Russell Group University outside London to open a satellite campus in the capital. Having established the campus and quality of our offer, we are now in an exciting next phase of business development.

Located in Finsbury Square, our central London campus offers professionally enhanced higher education in a premium learning environment, with strong links to

industry, regulators and policy making. The campus is ideally located and equipped for an enriching professional experience, with ready access to the networks, resources and facilities that will enable you to develop your personal reach and impact.

The creation of a dedicated “design innovation” space on campus and installation of our world-class Virtual Engineering Centre is already enabling enhanced levels of collaboration across disciplines and industry sectors. Our partners include global leaders in aerospace, automotive design, energy and health, as well as SMEs in professional

practice, digital innovation and the creative industries. We are further enhancing the learning environment for September 2018 by adding a new design studio and workshop facilities.

Our established postgraduate offers have high levels of interdisciplinary working and we have links into design interests at our Chinese joint-venture University, XJTLU. For 2018 we are adding a 3rd year design pathway for our undergraduate students in Architecture, Industrial Design and Urban Planning and Design, around which these posts will be primarily positioned.

The University of Liverpool in London is a launch network-partner of the City of London Corporation’s Culture Mile initiative, a strategy which positions heritage and innovation as the uniquely defining characteristics of the City, with 3 major urban design and architectural programmes in development. We are actively exploring a number of options for collaboration, contributing our specialist capabilities and creating new opportunities for student engagement and outcomes.



4

Undergraduate Design Year 3 Pathway

Successful applicants will be part of the London based team that shapes and delivers our new undergraduate Design Year in London pathway. The new pathway draws on the established strengths of our Liverpool based undergraduate programmes in Architecture, Industrial Design and Urban Planning, with a specific design orientation, an emphasis on interdisciplinarity and industry connectivity, and the chance to work with virtual technologies.

Our students have the passion and curiosity to become absorbed in their subjects, and we are proud to offer this new opportunity in the vibrant environment of Central London. We will be responsive to the specific industrial, architectural, heritage and urban characteristics of the location, whilst upholding the core learning outcomes and equivalence of the student experience.

The new undergraduate activity is part of our strategy to build on our existing reputation and capabilities in design, by extending our reach and connectivity in London. We are also seeking to create opportunities for a wider group of students to enhance their experience, employability, aspirations and life chances through the benefits of our London campus presence.

5

Working for the *University of Liverpool in London*

When you join the University of Liverpool, you will be joining a talented community, located in Liverpool, London and worldwide, who have the freedom to explore new ideas, take risks and make real impact in their specialist fields. Our university is fundamentally about inspirational people and their achievements, enabled in London by an outstanding physical environment and an intellectual approach that encourages research and learning across disciplinary boundaries.

We attract the best and brightest early career academics because we understand how important a supportive environment is, in order to flourish as our future leaders. We offer innovative programmes, support systems and training alongside mentoring schemes, networking opportunities and workshops to help individuals successfully establish themselves as independent researchers.

We aim to provide our staff and students with the best possible intellectual, social and physical environment so that they are inspired to learn and achieve and make the most out of life. A sense of invention and creativity informs our disciplines so that we can apply our efforts in ways that make a positive difference in the world.

We are committed to developing all of our staff through a range of initiatives supported by Human Resources. We are proud to be a member of the Athena SWAN Charter, which recognises and celebrates good employment practice for women working in science, engineering and technology in higher education and research

The emphasis of our approach is on flexibility, breadth and providing students with a range of multidisciplinary skills that will help them to stand out when they graduate as agents of change with a genuinely global outlook and the confidence to compete and progress their careers in the ways that are most meaningful to them.

We are intending to recruit from a diverse pool of applicants which will include a mix of experienced and early career academics with a primary interest in either teaching or research, along with industry practitioners, who can help us to develop the relevance of our curriculum, boost the employability of our students and strengthen our links with local and global business.

Successful applicants will be London based, working with a relatively high level of autonomy and freedom to innovate, aligned to our aspirations of agility and responsiveness to local market conditions. We have academic leadership, at Senior Management Team level on site, and we are seeking to offer a Chair appointment in order to provide a dedicated tier of leadership across this activity.

You will be welcomed as an integral member of our globally respected academic community. Each of the posts is supported and managed through a school and/or department which sits within one of the University's 3 world leading faculties. There will be considerable opportunity, and expectation, of travel to Liverpool and the embracing of high levels of integration into

our established academic communities and research infrastructure.

We hope that this offers the “best of both worlds” – the freedom to innovate, but with the support of an established and globally renowned academic infrastructure. We are committed to continually improving our internal support, communications and technologies, in order to overcome the challenges and maximise the value of our opportunity to work collaboratively across geographical boundaries.

We are seeking individuals who will embrace our range of creative and forward-thinking teaching methods, aligned to our research excellence in order to position our teaching and learning at the cutting edge of our disciplines.



6 *The School of Architecture*

The Liverpool School of Architecture is one of UK's premier institutions dedicated to architectural research and education. Actively involved in Liverpool's ongoing renaissance, the School, consistent with its long tradition, continues to offer an international outlook. The highest ranked research department as a sole School of Architecture in REF2014, we have one of the largest student bodies amongst UK schools, with a strong international character.

The School of Architecture, is part of the University's School of the Arts within the Faculty of Humanities and Social Sciences. It also has research and pedagogical connections with departments within the Faculty of Science and Engineering (Engineering and Civic Design).

The Liverpool School of Architecture was the first institution in the UK to have its programmes validated by the RIBA. Many influential figures in the fields of architecture, architectural education and planning have been staff or graduates, including six Royal Gold Medallists. This illustrious list of personalities includes Sir James Stirling, Lord Holford, Edwin Maxwell Fry, Sir Peter Shephard, Sir Stirrat Johnson-Marshall, Sir Patrick Abercrombie, Gordon Stephenson and Colin Rowe. The School of Architecture continues to produce and engage outstanding, thoughtful and influential architects and academics.

The professional degree programmes (BA, MArch) in Architecture are the focus of teaching activity in the department, which enjoys a distinguished tradition of excellence and innovation in design

teaching. The combination of 30 eminent and active researchers, and dynamic teachers, as well as a large number of part-time staff, make the School an exciting environment for studying and researching architecture. The presence of eminent practitioners such as Michael Wilford, Ian Ritchie and Jim Eyre as Visiting Professors exemplifies our strong links with and commitment to practice excellence. The Liverpool School of Architecture was rated Excellent in its most recent RIBA Visiting Board Report in 2014, when the School was validated with no recommendations.

The Liverpool School of Architecture achieved an excellent set of results in REF 2014, being the highest ranked department submitted solely as a School of Architecture, a top-six place for research intensity, and third nationally for output excellence. With 85% of our eligible staff submitted, 80% of our outputs were rated as world leading (4*) or internationally excellent (3*). The inclusive nature of research in the department, and its support for new researchers is an outstanding example in the sector. Staff research interests from the environment to the arts and humanities cover a vast geographical territory: from Japan to the United States, and from northern Europe to Australasia.

The Liverpool School of Architecture occupies its own building with excellent facilities including teaching spaces, workshops, CAAD suites and one of the finest student studio spaces in the country. We are now extending these capabilities into London through the 3rd Year Design Pathway as the first of a series of planned innovations to develop our activities in the capital.



Our Students and Programmes

Our current students, at BA, MArch, MA, MSc and PhD levels, are drawn from all over the world, with a significant number coming from our sister campus in Suzhou, China, Xian Jiatong–Liverpool University (XJTLU). It is the highest rated amongst the 20 Sino-foreign universities, and in 2015 became the first onshore Chinese University to receive RIBA accreditation. The School of Architecture at XJTLU has a founding relationship with the Liverpool School of Architecture. The link presents a dynamic potential for exchanges and research links as well as the articulation of students from XJTLU to Liverpool. There are also plans to enhance our presence through undergraduate and postgraduate offerings at the Liverpool University's London campus in Finsbury Square.

Posts on Offer

The Liverpool School of Architecture will be offering the opportunity for part of its BA3 cohort to re-locate to its London Campus from September 2018. We are currently establishing a team for this exciting project and are seeking to recruit one full time or two part time staff in the areas of: a) sustainability / environmental design, and b) structures, construction and technology, to deliver lecture programmes and contribute to studio design teaching.

The successful applicants will be part of a dynamic new course that will combine the

strengths of the existing BA Architecture in Liverpool with the opportunities offered by being located in the British capital.

We are looking for outstanding individuals who have studied architecture, environmental design or structural design and have at least 5 years' post-qualification practice experience. Knowledge of and experience in the architectural education sector, i.e. of relevant regulations and accreditation issues, are essential. Candidates must be able to demonstrate the ability to deliver lectures and to teach design, and to be up to date with current developments in their respective fields.

Successful applicants will be required to contribute from time to time to the Architecture programme at Liverpool. Opportunities might also arise to contribute to teaching in the Planning and Industrial Design programmes running at the London Campus.

It is anticipated that the Liverpool School of Architecture will continue to expand its teaching provision in London, offering longer-term progression opportunities for the post holders.

We are particularly interested to hear from candidates with the following experience

- a) sustainability / environmental design
- b) structures, construction and technology,



Urban *Planning*

Urban Planning sits within the School of Environmental Sciences. The School comprises around 75 academic staff, 50 support staff, 50 research staff, 1200 undergraduate students and 200 postgraduate students. The School co-hosts an ESRC Doctoral Training Centre and two NERC-funded Doctoral Training Partnerships, as well as the Centre for Global Eco-innovation and the ESRC Consumer Data Research Centre.

We have strong links with Politics, Sociology, the Management School, the Heseltine Institute for Public Policy and Practice and also benefit from successful collaborations with the University's Institute for Risk and Uncertainty. Our staff are committed to the development of cross-cutting research themes and are involved in the University's Living with Environmental Change, Global Health, Changing Cultures, Security and Conflict, and Sustainable Energy research themes.

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Our Students and Programmes

Planning education at Liverpool dates back to 1909: we are the world's first planning school.

Our flagship programme is the RTPI-accredited Master of Civic Design which has run uninterrupted for over sixty years and includes some of the most prominent names in urban and environmental planning amongst our alumni, both in the UK and internationally. The MCD is complemented by other master's programmes (MA Town and Regional Planning, MSc Environmental Assessment and Management, MSc Marine Planning and Management) based in Liverpool and two programmes run from our London campus – MSc Urban Design & Property Development and MSc Urban Planning. These last two programmes have grown significantly over recent years and are part of our long term strategic plan to invest in the London campus to support the continued growth of these programmes.

Liverpool was one of the pioneers of undergraduate planning education in the UK with three programmes, BA Environment and Planning, BA Urban Regeneration and Planning, and the RTPI-accredited four year MPlan Town and Regional Planning. More recently we have added a BA in Geography and Planning. Aligned to our strategic plan to develop our undergraduate offer we have opened a new design pathway, creating the opportunity for students to spend their third year in London from 2018.

Posts on Offer

Based in London, you will join a growing team delivering the new 'Design Year in London' pathway for our third year undergraduate students and may contribute to our two existing masters programmes – MSc Urban Design & Property Development and MSc Urban Planning. Our objective is to develop a team in London who have both academic expertise in specific areas and also

a clear connection to the worlds of policy and practice. This goal is reflected in these three advertised posts which are designed to appeal to both research-active academics and teaching and scholarship orientated colleagues who may have a practice background.

In addition to teaching at our London campus, you should be willing and able to spend short periods away from London (up to two weeks) in order to contribute to field courses and/or other commitments related to the international profile of the University.

We are particularly interested to hear from candidates with a strong research and/or practice profile in urban planning and/or urban design. The appointees will work within the planning discipline and will be affiliated with our research centre Sustainable and Resilient Cities (SARC). Your research agenda should be complementary to, but also extend, current research activities within the Planning at Liverpool

(www.liverpool.ac.uk/geography-and-planning/research/spatial-planning-impact-assessment/about/).

For the 'teaching and research posts' you will have a demonstrated ability to conduct relevant, internationally excellent research and ideally, have relevant experience in higher education teaching. There will be opportunities to develop your research and scholarship interests and work in interdisciplinary/cross-disciplinary ways with colleagues both in London where you will be based and Liverpool.

We are particularly interested to hear from candidates with the following specialism/experience:

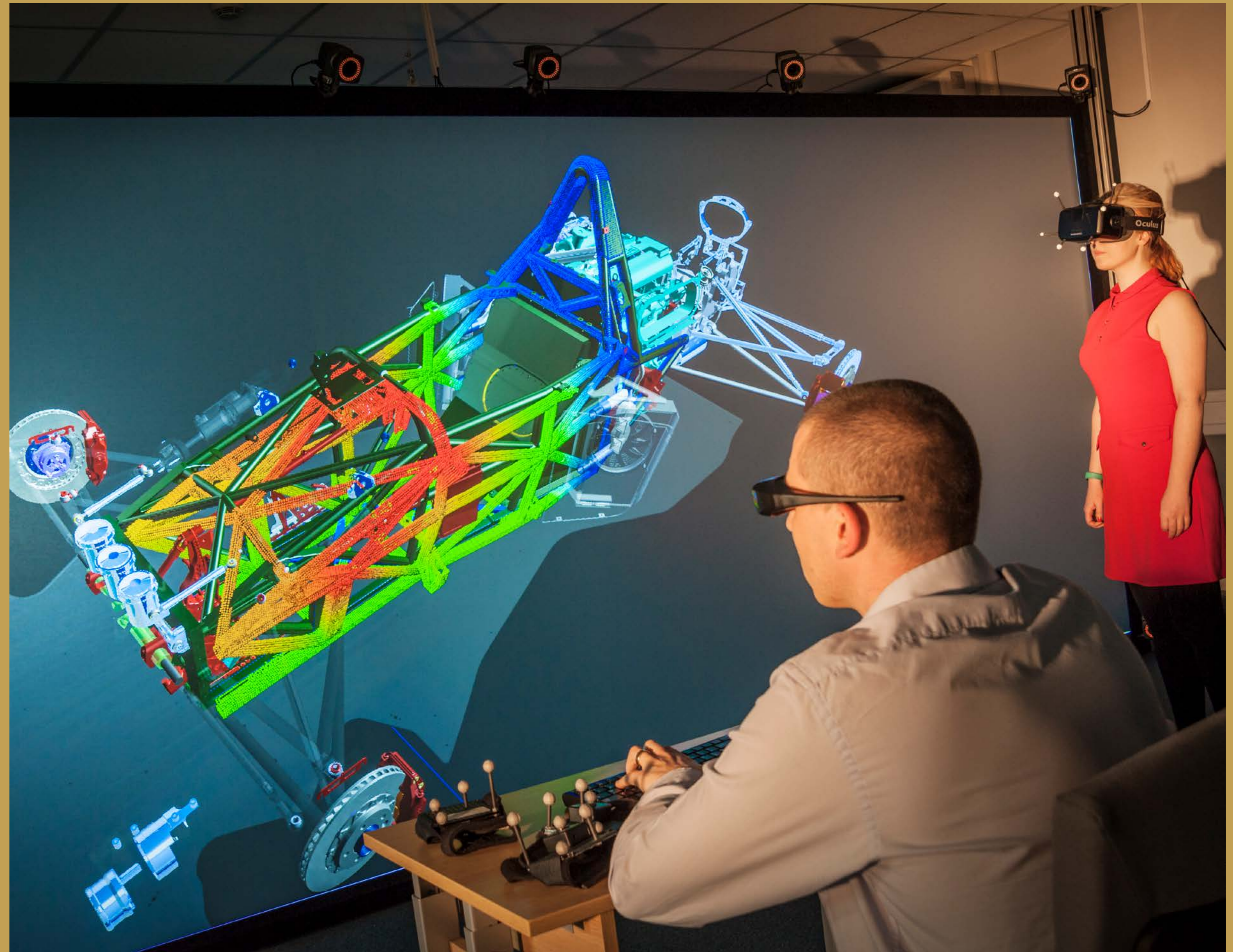
- urban design and master planning
- planning policy and practice
- the development process
- Real estate economics

8 Industrial *Design*

Industrial Design is an area of strategic investment and future growth for the University. The division is part of the School of Engineering, which sits within the Faculty of Science and Engineering. The enhancement of our teaching and learning environment is evidenced by successful research grant generation and generation of high-quality outputs suitable for REF2021 and the TEF rating in the subject.

We believe good design is human-centred, commercially viable and technologically sound. It follows a design process and serves a well-defined purpose, while delivering a desirable experience - viable and inspirational. The experience of good design and the ownership of functional, usable and desirable products is valuable to people across their professional and domestic lives. From this standpoint, Industrial Design sits at the interface between products as engineered components and products as opportunities for people to realise their goals and aspirations.

There is significant collaboration with the Virtual Engineering Centre, and with Xi'an Jiaotong-Liverpool University (XJTLU) both in teaching and research. In London these collaborations are further enhanced by the investment into a fully operational Virtual Engineering Centre on site, connectivity with industry and parallel development of our postgraduate offers in Advanced Transdisciplinary Design.



Our Students and Programmes

The merger of engineering and human-centred design subjects is central to the School's strategy to graduate Industrial Design students who are technically competent, innovative and human-centred, capable of carrying out a wide range of new product development (NPD) activities, especially within contexts of commercial research and development (R&D), and design and innovation consultancies.

Our degree programmes have been specifically designed to respond to the increasingly multidisciplinary nature of new product development and the demand for articulate, high-calibre graduates who are capable of operating professionally in both a creative and analytical capacity, within the physical and digital realms.

We provide students with a transdisciplinary model of education, combining technical and aesthetic design capabilities necessary for developing innovative consumer and industrial products that perform well and provide meaningful user experiences.

The programmes guide students through progressively more demanding practical product design projects, underpinned by knowledge and skills in critical support

subjects including human factors, interaction and user experience, engineering science, materials and manufacturing, prototyping and simulation, management, and business and entrepreneurial practices.

The student cohort on these programmes has a strong international dimension, including the popularity of our student mobility options between Liverpool and XJTLU, now further enhanced by the new Design Year in London pathway. Graduates will be well equipped to commence a successful career in and around the exciting discipline of designing and developing new products in a global market context.

Posts on Offer

Our current team of academics incorporates a breadth of research and educational expertise, including human-centred design, inclusive design, human factors, design for emotion and well-being, design for interaction, digital design workflows, virtual reality, and multisensory design, which complement existing strengths in design for sustainability, engineering design, and management within the wider Department and School, including links with the Virtual Engineering Centre.

The new posts will play a key role in further expanding and strengthening our portfolio of teaching and research, with a primary focus on our Design Year in London pathway from our BEng in Industrial Design.

All appointees are expected to bring appropriate knowledge and understanding, teaching experience and skills to the posts and have a clear vision of achieving excellence in teaching. They are expected to become key members of a vibrant and growing team, contributing towards building a centre of excellence in Industrial Design research, education and practice at the University of Liverpool.

Aiming for world-class excellence and leadership in design research and education, the Liverpool Industrial Design team welcomes applicants with strategic and emerging areas of expertise in design research, education and practice.

We are particularly interested to hear from candidates with a demonstrable background and expertise in one or more of the following priority areas

- Digital Economy, Circular Economy and New Product Development: physical and digital design fuzzy front end, brief-to-

proposal projects, design-build-test, CDIO

- Design Thinking, Design Strategy and Innovation Management: theory and process of design thinking in innovative product development, design entrepreneurship, design pedagogy and education, and business commercialisation
- Design Communication, Visualisation and Simulation: digital design workflows, physical computing, smart interactive products (IoT), graphic design and 2D design sketching, 3D CAD, design for additive manufacturing, digital DFMA, virtual/augmented/mixed reality in design

Successful candidates will benefit from having the freedom to develop thought leadership in their chosen area of expertise within a growing and dynamic team; from the interdisciplinary environment that The University of Liverpool and the Virtual Engineering Centre offers; and from strong links to our industrial and academic collaboration partners.

9

Virtual Engineering Centre – *London Campus*

STATE-OF-THE-ART SIMULATION SOFTWARE AND FACILITIES

Combining in-house and partner expertise with emerging technologies, the University's Virtual Engineering Centre is the UK's leading centre of expertise in the demonstration, innovation and integration of virtual engineering technologies across a range of sectors including manufacturing, energy, logistics and industrial design.

The VEC brings together multidisciplinary teams of engineers, computer scientists and industry experts, underpinned by extensive access to a wide range of academic expertise from across a wide range of disciplines. It is the only centre of its kind that fully supports and delivers the accelerated development of new products, technologies and processes across the product life-cycle, reducing risk and maximising efficiency and sustainability, and delivering powerful solutions to business and research organisations.

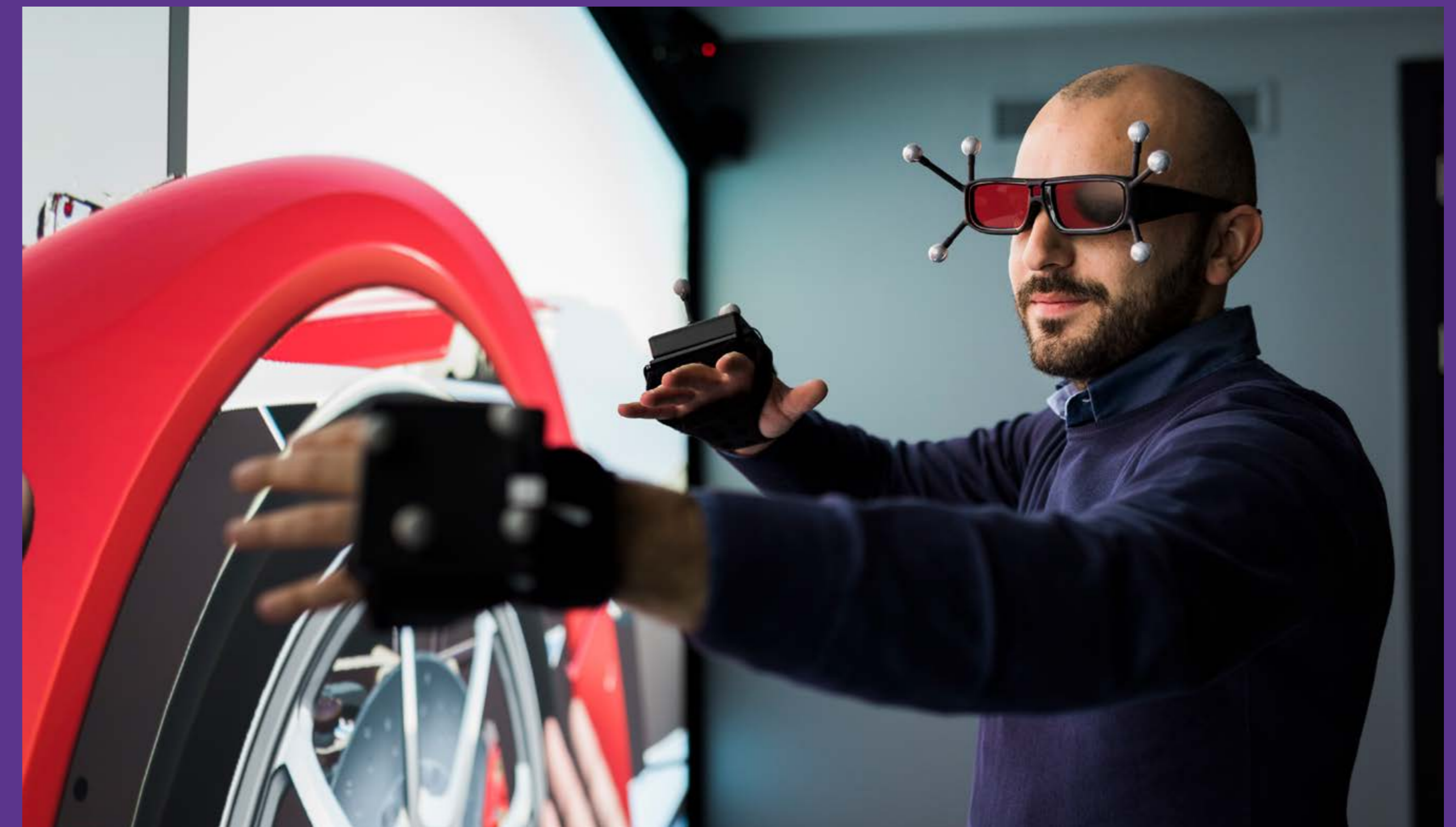
The centre delivers technology development, the latest research, training and knowledge transfer around the application and adoption of advanced modelling, simulation and 3D immersive

visualisation in support of product design and manufacturing innovation.

Since its inception in 2010, the VEC has established an extensive network of over 50 UK primes, 200 SMEs and 50 technology providers. Working in collaboration with companies such as Bentley, the VEC develops unique virtual processes to support the evaluation and optimisation of vehicle design. The approach is underpinned by physics-based modelling and simulation to generate high fidelity models, which can be used to assess customer perceived quality and user experiences long before any tooling or manufacturing is commissioned, thus improving product design and reducing risk.

Posts on Offer

This post will enable the development of existing master's courses and the new undergraduate design pathways to incorporate specialist digital skills through specialist VR teaching required by employers for professional such as



Architects, Urban Planners and Industrial Designers.

The facilities enable close development of University of Liverpool students and academic staff with the business community, giving rise to industry challenge led student projects and CPD opportunities.

The post will support the VEC facility in London, where there is close alignment to the Design and Architecture community, closely integrated with and supported by our established centre in Daresbury. This is an important development in our pursuit of excellence.

10 *Flexible Opportunities*

The diversity of our design community is vital to the relevance of our curriculum and the richness of our student experience. Adding value to industry and enhancing the employability of our students is at the heart of our strategy in London.

We are continually seeking ways to inspire our students through exposure to real world challenges, workplace experiences and access to a network of practitioners from a breadth of design industries, roles and backgrounds.

Opportunities to engage with us in London include

- Contributing guest lecturers or sessional lecturing
- Supporting group based learning activities around industry relevant challenges
- Participating in employer networking events for students
- Offering work placements or internships to students (including postgraduates)
- Mentoring
- Joining our professional interest groups
- Taking part in focus groups around curriculum design or other education development activities
- Collaborating in research projects
- Conference, key note speaker opportunities.

Get in touch (details on page 17) to discuss these flexible opportunities.



11 Contact Us

For more information please contact

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How to apply

For full job descriptions and how to apply please visit

www.liverpool.ac.uk/london/about/design-opportunities



Key Locations

- The London Eye
- River Thames
- The 'Walkie-Talkie'
- The 'Gherkin'
- Tower 42
- Barbican Centre
- Finsbury Circus
- University of Liverpool in London
- Financial District Area