



Transforming Food Systems: Brunel to Lead £2.6m Consortium in Net-zero Solutions

In a significant milestone, Brunel University London has secured substantial funding of £2.6 million from the Engineering and Physical Sciences Research Council (EPSRC) to create a Place Based Impact Acceleration Account (PBIAA). Under the leadership of Professor Geoff Rodgers, PVC Enterprise and Employment and Professor Savvas Tassou, Director of the Institute of Energy Futures, this pioneering project is set to make a substantial impact on the food supply systems operating within West London's vibrant Park Royal Industrial Estate. Colloquially known as 'London's Kitchen', Park Royal hosts over 500 businesses in the food and drink sector, producing about 30% of London's food and drink and contributing about £8bn a year to the economy.

Aligned with the goals outlined in the UK Food Strategy 2022, which underscores the imperative for academic institutions to collaborate with food manufacturers, this project emerges as a resounding response to the challenge at hand. By establishing a PBIAA focused on Net-zero food supply systems at Park Royal the consortium aims to usher in a wide-ranging programme of impactful initiatives, encompassing food production, manufacturing, processing, logistics, distribution, and waste management. The overarching mission is to foster circular food economies, fortify absorptive innovation capabilities, and supercharge productivity levels within the cluster of partners and stakeholders.

Starting in February 2024, the consortium will bring together Brunel, civic partner West London Business, and Higher Education partner Harper Adams University. Together, they will develop a comprehensive programme tailored to address the innovation challenges facing the food manufacturing and distribution sector in Park Royal. This initiative, shaped by extensive collaboration with key stakeholders and strategic partnerships in West London, is poised to accelerate the adoption of net-zero technologies, promote circular economies, and drive industrial symbiosis. Ultimately, it aims to set a benchmark for excellence and innovation in the broader UK food and drink sector.

In line with the UK Government's commitment to regional development, this project aligns with the goals outlined in the Levelling Up White Paper from February 2022, UK Research and Innovation (UKRI)'s strategy from March 2022, and EPSRC's Delivery Plan from September 2022, all of which prioritise equitable economic, social, and cultural benefits from research and innovation.

The primary goal of this initiative is to bring about positive change by reducing carbon costs, enhancing resilience, and stimulating economic growth in West London. Park Royal, a thriving hub, contributes significantly to London's food supply and is home to businesses grappling with technological challenges in the broader UK food system.

Brunel's established expertise in engineering, materials, manufacturing, digital technologies and food supply chains will be enhanced through its partnership with Harper Adams University which brings complementary expertise in various fields, including low carbon food production, vertical farming, urban agriculture, brewing, indoor farming and sustainable business practices.

The research team is organised into five key capability areas, each essential for the project's success. These areas include Innovative Net-Zero Energy Systems, Digitalisation and Automation of Food Manufacturing, Waste



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Leading Edge focuses on research at Brunel University London.

For details on how to submit articles please contact Vic Gill in the Research Support and Development Office on ext 67398 or email vic.gill@brunel.ac.uk

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Printed by: Brunel University Press

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From the Editor's Desk



I hope that you all have had opportunities to relax over the summer holiday period and feel recharged and ready for the new academic year. Since the publication of the last edition of *Leading Edge*, we have witnessed two significant events that will shape the University in the coming years and drive research excellence across the university.

The first is the publication of the University's new strategy on 26 July. It sets out a clear vision of Brunel as "a world-class research university, combining a technical focus with research excellence that is closely aligned with the needs of equitable and inclusive, environmentally-sustainable global societies and economies". This is underpinned by our strategy to forge global excellence with technical focus through all our subjects, substantially increasing the volume of high-quality research undertaken by an increasing proportion of our academic staff.

The second significant event is the announcement of proposed changes to the next

Research Excellence Framework (REF2028). Although 2028 may seem in the distant future, these changes will have implications for how we support, capture and review our world-leading and significant research. As I wrote to you in the last issue of the *Leading Edge*, we need to focus on boosting the quality and impact of our research and on making our research environment even better. More information on the proposed changes can be found in the Brunel News article published on 30 June*. Ongoing success in the REF is the foundation of our research strategy and will reflect our achievements and success as a world-class research-intensive university.

Finally, in case that you have missed the news, I am delighted to announce that Professor Christina Victor and Professor Sarita Malik have accepted the key new roles of the Associate PVCs for Research Culture & Governance and Research Impact respectively. I am sure that you will join me in congratulating them on their appointments and support them in these important areas.

As always, you will find details of our significant research achievements and activities over the last few months in this edition of the *Leading Edge*, which I hope that you will enjoy reading. If you have any research news or things that you would like to be included in the future editions, please contact Vic Gill in the Research Support and Development Office (RSDO).

* <https://www.staff.brunel.ac.uk/campus-news/proposed-ref-changes-announced-subject-to-consultation>

Best Wishes
Hua Zhao

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Reduction and Valorisation and Decarbonisation of Transport and Low Carbon Food Production, which will be managed by the team from Harper Adams University, with Dr. Iona Huang providing leadership.

Professor Geoff Rodgers, Pro Vice Chancellor - Enterprise and Employment, who will lead on the civic and business engagement aspects of the project, commented:

"The Park Royal Industrial Estate is a significant asset within the London and UK economy and an important employment centre in West London. This award provides an exciting opportunity to build our relationship with the nearly 2000, businesses on the estate whilst helping to address the challenges they face with issues such as net-zero, automation and waste."

The project will open up numerous opportunities for Brunel academics to engage in impact and collaboration activities with businesses operating on the industrial estate and will cement the relationship that Brunel has been developing over the past two years.

Professor Savvas Tassou, Director of The Institute of Energy Futures, who will provide technical leadership for the project said.

"The project offers a tremendous challenge but also opportunities for Brunel, Harper Adams and academics across the UK to work closely with the food businesses at Park Royal and their supply chains to accelerate innovation, productivity, and decarbonisation of the Park Royal food supply system and beyond."

Dr Huang will also lead on the engagement with the wider food systems academic community.

In summary, this project represents a significant step towards a greener, more resilient food supply system in West London, with the potential to set a benchmark for innovation in the UK food and drink sector.

National Institute for Health Research (NIHR) funded fellowship to co-design and test a behavioural change approach to increase pulmonary rehabilitation (PR) referral and uptake rates

Dr Claire Nolan (Principal Investigator, Lecturer in Physiotherapy) has been successful in securing a NIHR Advanced Fellowship (£545,671) for a project entitled 'Co-design and feasibility testing of a very brief behavioural change approach to assist healthcare professionals discuss PR with people living with chronic obstructive pulmonary disease (COPD).'

The 48-month fellowship will facilitate the development of Dr Nolan's interdisciplinary skill-set. She will receive mentorship from Prof Christina Victor (Brunel University London) Prof Stephanie Taylor Queen Mary University of London), Dr Elizabeth Steed (Queen Mary University of London) and Prof William Man (Kings College London). Dr Nolan will also be supported by an industry partner, the National Centre for Smoking Cessation and Training and Dr Samantha Kon (Hillingdon Hospital) through the Brunel Partners Academic Centre for Health Sciences.

PR, an exercise and education programme for people with a lung disease called COPD, improves symptoms and reduces hospitalisation admissions. However, national data report that

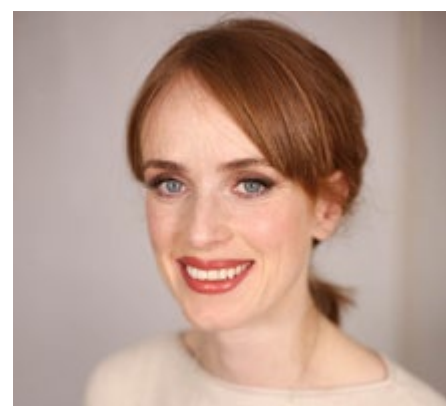
only 5% of eligible individuals are referred for PR.

Very Brief Advice (VBA), an evidence-based behavioural change approach, increases smoking cessation services referral rates. It involves an online training programme on the behavioural change approach. As referral and uptake are behavioural issues, adapting VBA, a behavioural change approach, to enable healthcare professionals to discuss PR with patients may be a plausible way to increase referral and uptake.

The project, which consists of two phases, aims to adapt VBA for PR (VBA-PR), investigate the feasibility of conducting a full-scale cluster-randomised controlled trial of VBA-PR, and explore the acceptability of VBA-PR. During phase 1, stakeholders will be interviewed to explore how VBA can be adapted for PR which will inform the co-design of VBA-PR (behaviour change approach, online training programme). During phase 2, healthcare professionals from four hospitals/GP practices will complete the training course and use what they learn when discussing PR with their patients. Referral and

uptake rates will be recorded for three months and compared with the same period in the previous year. Acceptability will be explored through focus groups and the intervention will be modified accordingly, ready for testing a full-scale trial.

For more information, email claire.nolan@brunel.ac.uk



Dr Claire Nolan

Professor John Cosmas Secures £1.3m EU Investment for Cutting-Edge Research at Brunel

In a significant milestone for Brunel University London, Professor John Cosmas (Department of Electronic and Electrical Engineering) has secured substantial research project from the European Union (EU). The project, titled OPTI-6G, is dedicated to advancing the field of IR Optical Wireless Communication systems and together with IoRL and 6G BRAINS projects signifies a remarkable £1.3 million investment into Brunel.

What makes this achievement even more noteworthy is the duration of this funding commitment. Over a nine-year period, beginning with IoRL project then continuing with 6G BRAINS and OPTI-6G projects, Brunel will continue to benefit from this substantial investment, which is set to redefine the boundaries of technological innovation.

This investment has far-reaching implications for both Professor Cosmas and the university. It has enabled Professor Cosmas to develop a diverse array of IoT (Internet of Things) workstations and toolboxes, tailored for both undergraduate (UG) and postgraduate (PG) teaching, research, and projects. These resources are instrumental in delivering our MSc Wireless Computer Communication Networks course and play a pivotal role in instructing a cohort of 90 overseas postgraduate students annually. Notably, this represents an impressive £1.8 million in annual income for Brunel.

Among the resources developed are:

- IoT Toolboxes: An impressive 100 units designed for UG and PG teaching across ten different lab sessions.
- AI Reinforcement Learning Linux Project Workstation
- LIDAR Linux Project Workstation
- 5G Mobile Communications Linux Project Workstation (loaned to Brunel)
- Wireless Radio USRP Linux Project Workstation
- Industrial Programmable Controller Linux Project Workstation
- Openstack Cloud Computing Linux Workstation

These EU-funded projects have not only elevated Brunel's research profile but have also provided Professor Cosmas with the opportunity to participate in EU program-level dissemination of research. This engagement has resulted in his role as a co-author/editor alongside industry leaders from Nokia and Ericsson for a White Paper and book on 6G Communication and Sensing Networks, available via Now Publishers. Titled "Towards Sustainable and Trustworthy 6G: Challenges, Enablers, and Architectural Design," this work represents a significant contribution to the field of communication networks.

Furthermore, Professor Cosmas's achievements have garnered recognition at the national level. He has been invited to participate in the UKTIN Network Management Expert Working Group, a testament to his expertise. This involvement offers the opportunity to shape the commercial and technical requirements documents and contribute to reports feeding into the UKTIN ecosystem, aligning with the broader UK National Strategy.

In summary, Professor Cosmas's accomplishments reflect Brunel University's commitment to pioneering research and technological advancement in autonomous mobile networks. The substantial investment secured through OPTI-6G not only empowers our institution but also reinforces our position as a leader in shaping the future of technology and communication networks.

We extend our congratulations to Professor Cosmas and look forward to witnessing the transformative impact of his research on our university and beyond.



Professor John Cosmas



Celebrating Marie Skłodowska-Curie Postdoctoral Fellowship Success for CEDPS

We are thrilled to announce that Brunel University London's College of Engineering, Design, and Physical Sciences (CEDPS) has achieved remarkable success in the 2022 Marie Skłodowska-Curie Actions (MSCA) postdoctoral fellowship call. Out of the seven proposals we submitted, three have secured funding, while two more are on the reserve list. This accomplishment is a testament to our commitment to cutting-edge research and innovation.

In a highly competitive field, where proposals had to achieve scores above 90% to secure funding, our three successful projects have now been granted funding under the Horizon Europe program. With the support and expertise of our academic supervisors, the following researchers have been able to secure a place for Brunel in the forefront of European research excellence. The successful supervisors and their esteemed applicants are as follows:

Professor Asoke Nandi - CEDPS Electronic & Computer Engineering

Fellow: Dr. Ke Feng

Project: WINDTWIN - "Condition Monitoring of Wind Turbine Gearbox toward Digital Twin Ecosystem"

Dr. Lorna Anguilano - CEDPS Experimental Techniques Centre

Fellow: Dr. Virginia Martin Torreon

Project: CORAL - "Compostable Foams from Renewable Algae Sources: Development and Identification of Strategies for Their Implementation"

Tao Zhao - CEDPS Civil & Environmental Engineering

Fellow: Dr. Bin Gong

Project: ENHANCE - "Exploring How Climate Change Affects Coastal Cliff Recession: Modelling and Forecasting"

To learn more about the Marie Skłodowska-Curie Actions (MSCA) postdoctoral fellowship scheme, please contact Deana Thomas at deana.thomas@brunel.ac.uk

British Academy Visiting Fellowship Funding Success

Researcher Dr. John Szabo, based at Central European University, has been awarded a British Academy Visiting Fellowship to collaborate with Dr. Gareth Dale, Reader in Political Economy. The fellowship, spanning from August to December, focuses on the project "The Political Economics of Hydrogen: Fossil versus Renewable-based in the UK."

Dr. Szabo's research examines the political economics of hydrogen in the UK, shedding light on energy transitions and the competition between fossil and renewable interests in the

hydrogen market. His work involves analyzing stakeholder discourses and their influence on policy discussions, uncovering the intricate forces shaping the future of hydrogen.

During his four-month stay at Brunel University London, Dr. Szabo will collaborate closely with Dr. Dale and participate in the University's Hydrogen Initiative. This collaboration will involve data gathering, including the collection of pertinent documents and interviews with industry experts.

Szabo's research outcomes will reach a broader audience through the publication of 1-2 scientific articles in academic journals, a policy paper with recommendations, and at least 1-2 shorter pieces tailored for a wider readership.

To learn more about the project and the Visiting Fellowships programme, visit:

<https://www.thebritishacademy.ac.uk/projects/dr-john-szabo/>



A second CRACK-IT grant

Professor Michael Themis (Life Sciences) has won a CRACK-IT grant for a joint project with the University of Dundee. This grant is funded by the NC3Rs, part of the Medical Research Council and sponsored by Novartis, GentiBio, AstraZeneca, Sonoma Biotherapeutics and Takeda. The grant is to develop a safety test for the rapidly growing cancer treatment called CAR-T therapy. Commercial responsibility for exploiting any tests developed will be that of the university's spin-out company Testavec Ltd.

CRACK IT is a challenge-led competition that funds collaborations between industry, academics and SMEs to solve business and scientific Challenges which will deliver 3Rs ((Replacement, Reduction and Refinement) benefits, either by improving business processes or developing a commercial product. Learn more at:

<https://nc3rs.org.uk/crackit/crack-it-challenges>

Ensuring Excellence in Training for Advanced Manufacturing in Aerospace and Defence Sectors



The Centres of Vocational Excellence in Aerospace and Defence for Advanced Manufacturing programme (AILEEN), co-funded by the European Union, seeks to address the shortage of skilled personnel within the Aerospace and Defence ecosystem by setting up Centres of Vocational Excellence (CoVEs) for Advanced Manufacturing (AM). This is a 4-year project that started in June 2023, with an overall EU grant worth €2.4m and involving 18 project partners and led by the European Welding Federation (EWF). Dr Eujin Pei, Reader in Additive Manufacturing and Leader of the Additive Manufacturing and 4D Printing Research Group, is the Principle Investigator from Brunel University London.

The AILEEN project seeks to facilitate the support and recovery of the Aerospace and Defence ecosystem and develop systematic conditions for quality synergy and cooperation towards vocational education and training actions across countries. This would include specialized sectoral training such as the transfer of localised and technical knowledge and

activities in the field of Aerospace and Defence. The programme will implement recognised EU qualification systems in Welding and Additive Manufacturing using a modular approach where each competence unit or learning unit is individually validated and assessed, enabling individual progression pathways, thus taking advantage of existing EU transparency frameworks such as EQF (European Qualifications Framework), ECVET (European credit system for vocational education and training), EURES (European Employment Services), EQAVET (European Quality Assurance in Vocational Education and Training) and ESCO (European Skills, Competences, Qualifications and Occupations). Work Based Learning (WBL) approaches and Problem-Based Learning (PBL) will be the cornerstone of the training activities.

In addition, digital tools including Augmented/Virtual Reality training will be carried out to capitalise and exploit EU advanced manufacturing initiatives with a focus on additive manufacturing and welding. There will be links with EU-funded projects to ensure

alignment with standardisation and industrial requirements at a European level. Within the UK, the AILEEN project is represented by the Manufacturing Technology Centre (MTC), PRI Europe Ltd (UK) and Brunel University London. The UK has the second-largest Aerospace sector in the world and UK's aerospace and defence ecosystem has an 18% global market share. In 2021, the industry provided 111,000 direct jobs, and the overall sector contributes towards £8 billion in added value to the UK economy. The defence sector is also the UK's second-largest exporter of defence equipment in the world. To ensure and sustain UK's global position, emerging new skills and knowledge requirements for the workforce are therefore paramount. Brunel University London is a full partner and a beneficiary of the AILEEN project.

The project is co-funded by the European Union. Further information can be found on the KATAPULT webpage <https://copcovers.eu/files/factsheets/AILEEN.pdf> and AILEEN website: <https://aileencove.eu/>

RIEm Goes International: A Global Path to Innovation Funding

Innovators worldwide face the same challenges in translating their research and innovation into fundable projects. Given the apparent success of Research, Innovate and Emerge (RIEm) UK for helping businesses to access innovation funding, Brunel partnered with Manipal Academy of Higher Education (MAHE) based in Bangalore to launch the first RIEm India. A cohort of 10 established businesses gathered for a series of workshops from 31st August to 2nd September after completing an innovation management needs assessment. These businesses are ambitious scaleup ventures the majority of whom evidenced a turnover of over £3-10million. They actively participated in the RIEm process, group and individual exercises with a passion to collaborate with a university partner to access further funding for innovation. RIEm India also provided strategic guidance on how to approach and enter UK markets,



Delegates and participants from Brunel and Manipal Academy of Higher Education (Bangalore) at the launch of RIEm India

especially through collaborations.

Christo George, Founder and Chairman of Hykon India, RIEm participant says, "In my 33 years of setting up and running a highly successful company, this is the first time I learned various dimensions of innovation management, how investors will assess a funding application and how to develop a convincing funding application".

Dr Michael Joseph, RSDO, who leads the RIEm programmes, explains why the University is so keen to develop RIEm overseas. "The RIEm India

participants demonstrated exceptional levels of commitment to develop collaborative research and innovation plans. The programme provides a valuable bridge for companies looking to trade internationally and help them access further funding from research and testing stages into commercial reality."

Brunel University is inviting applications for RIEm UK. For more details or to recommend a business in the UK, please contact: riem@brunel.ac.uk



Leverhulme Trust funded project to explore cultural divisions and social change in Britain



Professor Nick Hubble (Arts & Humanities) has been awarded a Leverhulme Trust Fellowship to the value of £34,293 for a new project, 'Self-reflexivity, Class Consciousness,

Culture Wars and Social Change in Britain'. The project draws on Prof Hubble's interdisciplinary expertise in researching processes of social value formation in autobiographical narratives, including working-class and women's writing.

The landslide election victory of Boris Johnson's Conservative Party in December 2019 is most

frequently interpreted as due to his success in 'getting Brexit done' and thus appealing to a silent majority, including the northern working-class inhabitants of former 'Red Wall' areas, 'who lean left on spending and public services but are culturally conservative'. From this perspective, Britain's departure from the EU potentially enables a return, at least symbolically, to the postwar heyday of a 'Great Britain' characterized by political consensus, social deference, a common culture, full male employment, and a rigid gender binary; a context that is often equated with so-called traditional working-class values.

This project will challenge this interpretation by drawing on research that considers the everyday practice of self-reflexivity in the age

of universal education as the key determinant of social processes such as class consciousness, gender identity, and even our understanding of Britain and Britishness. Centering self-reflexivity as the primary determinant of British social history allows consideration of its role in the generation of cultural division as an inevitable feature of modern life. From this perspective, what appears to be a recent crisis can be seen as a continuing consequence of post-WWI trends – such as universal suffrage and women's emancipation – which are still shaping contemporary social divides and culture wars. However, the project aims to show that while such trends have driven cultural division, they have also generated new values which have helped people to live through unprecedented social change.

Introducing our new Associate Pro Vice-Chancellors for Research

The University recently announced four* new APVCs (Associate Pro Vice-Chancellors) as part of recent changes to the senior academic leadership team. In this special feature, *Leading Edge* took the initiative to interview one of the new APVCs whose roles connect to research.



Let's meet Professor Sarita Malik: APVC for Research Impact

- 1. Congratulations on your new role as APVC for Research Impact! Can you share with our readers a bit about your background and your journey within Brunel so far?

Thank you, yes of course. I have been at Brunel since 2005 and started as a Research bid writer in what was then School of Social Sciences and Law. I then moved to Research fellowship and Lecturer positions and got promoted to Professor in 2016. My PhD was an AHRB Collaborative Doctoral Studentship based at the British Film Institute, and I went on to work as a curator, public arts programmer, and journalist. I've been the PI on a number of UKRI/AHRC projects around the broad themes of 'culture and communities'. I was a Member of Sub-Panel 34 (Communication, Cultural and Media Studies, Library and Information Management) for REF 2021.

- 2. Could you provide some insights into the responsibilities and objectives of your new position?

The role will complement research leadership within Brunel, with a specific responsibility for research impact. So I will be seeking out and communicating impact stories and facilitating impact pathways and processes across the university. The task is to develop a pipeline of ideas at various stages of development, diversify the impact base and maximise potential. Some of the strongest impact comes from sustained partnerships. It can also result from successfully convincing publics, policymakers and governments what the important policy areas can be. I have seen that happen with cultural policy for example.

- 3. Are there any specific goals or milestones you've set for yourself in your new role?

I am keen to get a stronger sense of how different UoAs, local systems and research groups work. I was heavily involved in the AHRC's Connected Communities programme, and that helped me better understand my own role as a researcher, as well as co-design and co-production through the lens of equitable, responsible, ethical participation. I'd like to explore the relationship between impact, engagement and people and culture and what makes Brunel distinctive here. Obviously, in terms of REF, and with 'Engagement and Impact' playing such a prominent role in REF 2028, I want to work with my colleagues to really drive up the quality of our impact. One goal is to curate our impact into a set of compelling, world-leading impact case studies.

- 4. As you step into this new position, are there any particular challenges or opportunities you anticipate?

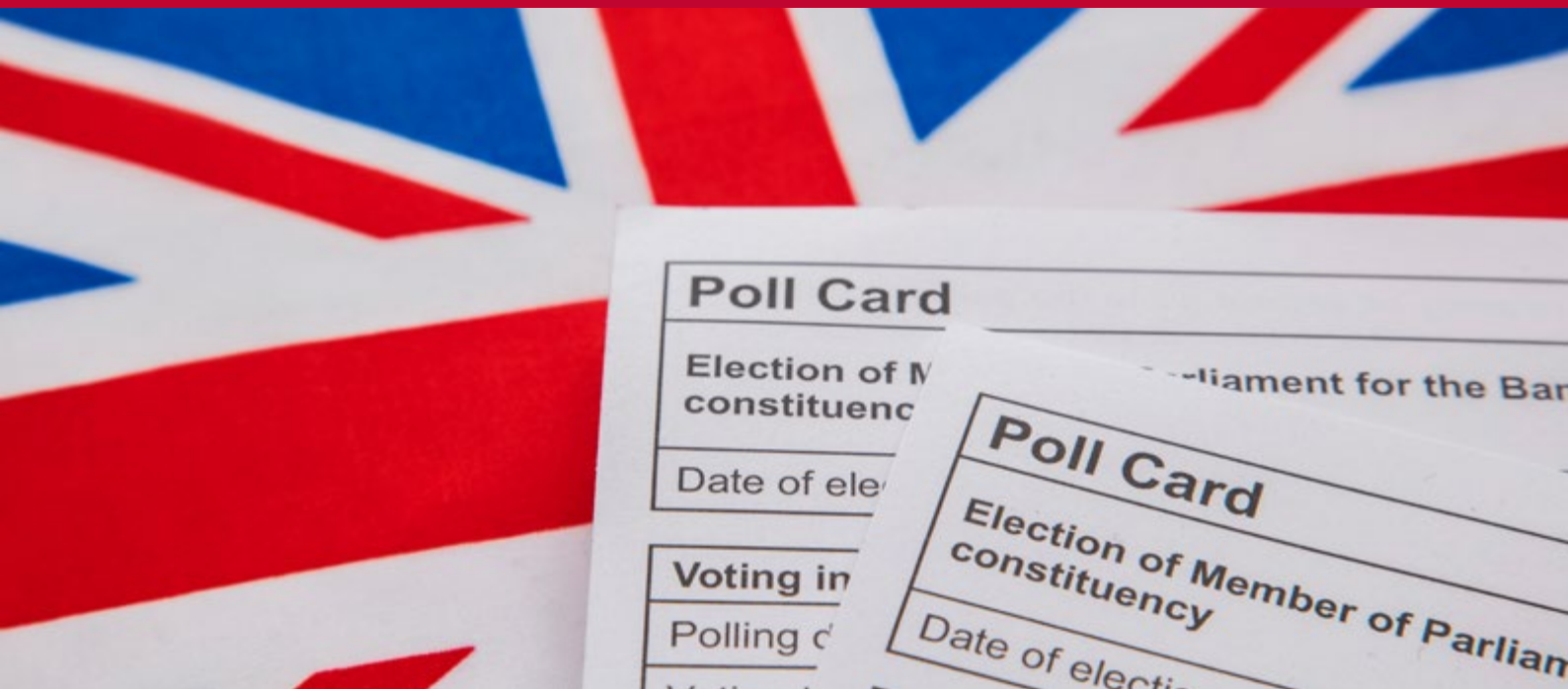
Well, challenges, I think broadening that perception across the university of why impact and engagement matters, and how impact connects to public investment in us, can take time. Some researchers might also feel disconnected from other researchers, or do not feel they have the agency, so helping to build those interactions. And helping to diversify and strengthen the ways in which excellent impact can be cultivated, for example, through external grants. In terms of opportunities, being a research-intensive, diverse University positions us well to shape society through scientifically robust and social relevant research.

- 5. Lastly, is there anything else you'd like to share with our readers about the new role?

Impact is often solely tied to a REF function, top-down agendas or science policymaking, but I think most of us want to see our research make a difference, and we could call that 'making an impact'! I also think our students value the changes we make, or can make through our research, so Impact is absolutely tied to our wider purpose.

In the next issue, *Leading Edge* will meet Professor Christina Victor: APVC for Research Culture and Governance.

* <https://www.staff.brunel.ac.uk/campus-news/introducing-our-four-new-associate-pro-vice-chancellors>



Are British voters ready for i-voting? A Political Science - Computer Science collaboration

Written by Dr Manu Savani, Professor Justin Fisher and Dr Fotios Spyridonis

There are not many places in the world that do i-voting – voting in elections online and remotely. Estonia offers it, as do Canada and Switzerland for some elections. The UK trialled it in the 2000s but did not pursue it. However, it was mentioned in an Electoral Commission report on the Future of Voting¹ last year.

Could i-voting become a reality in the UK? On the one hand we conduct much of our lives online now, including politics, banking, and socialising. On the other hand, we worry about fraud and electoral integrity, as the recent cyberattack² on the Electoral Commission shows. And, i-voting remains an abstract idea. How would people feel about it if they had an i-voting app in their hands?

Professor Justin Fisher and Dr Manu Savani (Department of Social and Political Sciences) joined forces with Dr Fotios Spyridonis (Department of Computer Sciences) and the Institute for Digital Futures (IDF) to design a prototype voting app. We invited 32 participants from the Brunel staff and student

community to test it on a smartphone, tablet and laptop, before returning to a traditional voting slip and ballot box.

So, what did they think?

- Two-thirds of our participants say they would opt for i-voting if it were available, based on its convenience, ease of use, simplicity and accessibility.
- The app was positively evaluated, particularly in terms of design, layout, and navigation. Gaining experience of the app led to participants either maintaining (if they had high initial willingness) or improving (if they were initially less keen) their willingness to vote online.
- If i-voting were to become an option in future, respondents wanted to see stronger security and authentication features, campaigns to inform voters about how it works, and transparency about data risks, actors involved, and the security measures in place.

Read our full report here³, and our blogpost at The Loop⁴. In the future, we hope to look at which voter groups might benefit most from i-voting, if it could increase turnout, and whether the significant hurdles around security and perceptions of security can be overcome. Our thanks to the IDF for supporting the pilot.

¹ [https://www.electoralcommission.org.uk/sites/default/files/2021-10/Electoral Commission Report - Future of voting %28FINAL%29.pdf](https://www.electoralcommission.org.uk/sites/default/files/2021-10/Electoral%20Commission%20Report%20-%20Future%20of%20voting%20FINAL%29.pdf)

² <https://www.theguardian.com/technology/2023/aug/08/uk-electoral-commission-registers-targeted-by-hostile-hackers>

³ <https://www.brunel.ac.uk/research/Documents/ODA/I-voting-report-July-2023.pdf>

⁴ <https://theloop.ecpr.eu/are-british-voters-ready-for-i-voting/>

Dr. Ahmed Zobaa's Groundbreaking Research Paves the Way for His Appointment to IET Control and Automation Executive Committee

Internationally acclaimed researcher and author, Dr. Ahmed Zobaa, has been appointed as a member of the Control and Automation Executive Committee of the Institution of Engineering and Technology (IET). This prestigious appointment comes in recognition of Dr. Zobaa's innovative research in the field of electric power systems.

Dr. Zobaa's work, focusing on the role of control and automation in upgrading power systems, aligns perfectly with the IET Committee's core objective of advancing and promoting the field of control and automation engineering. His research on the utilization of digitalization, smart grids, and renewable energy is particularly noteworthy, paving the way for his influential role in shaping future control and automation strategies.

This appointment marks a significant milestone in Dr. Zobaa's illustrious career, reaffirming the importance and impact of his research on the global stage. It is a testament to the transformative power of dedicated research and the role it plays in shaping our future.

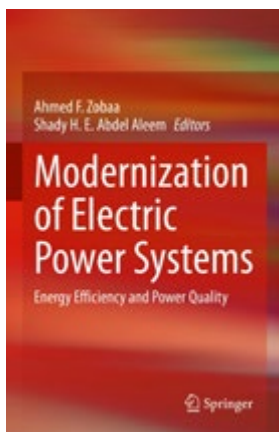
Successful launch of inaugural Brunel Fellowship Academy



Brunel Fellowship Academy visit to NPL (National Physical Laboratory)

The first Brunel Fellowship Academy launched in June 2023 where we welcomed a cohort of international researchers to Brunel. The IKB (Isambard Kingdom Brunel) fellows focussed their research on Advanced Materials and Manufacturing and Energy Technologies and were mentored by Brunel academics over three months. Activities included attending the two-day Brunel Research Interdisciplinary Lab (BRIL) on the topic of 'Net Zero', as well as visiting the National Physical Laboratory and TWI. Some exciting research projects and collaborations have been developed and will continue to advance over the coming months.

The 2024 Brunel Fellowship Academy will focus on Future Digital Healthcare Innovation. If you would like to be involved as an academic mentor or would like further information, please contact abbie.hill@brunel.ac.uk



Harnessing the Future of Power Systems

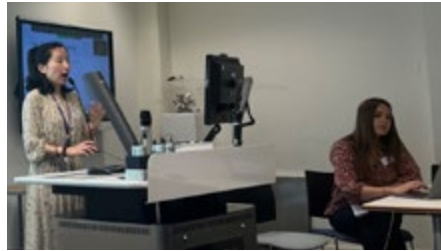
Dr. Ahmed Zobaa was pleased to see the release of his new book titled "Modernization of Electric Power Systems - Energy Efficiency and Power Quality" (Springer Cham, 2023). An invaluable discourse on upgrading electric power systems, it addresses challenges of climate change and increasing energy demand.

Dr. Zobaa explores energy efficiency and power quality in depth, illustrating how digitalization, smart grids, and renewable energy are transforming power systems. The book emphasizes the criticality of power

quality for safe, reliable systems and explores the integration of distributed generation and storage devices.

An essential resource for industry professionals, researchers, and policymakers, this book provides a forward-looking perspective on the field. Offering a roadmap towards an efficient, reliable power system, "Modernization of Electric Power Systems - Energy Efficiency and Power Quality" is a must-read for those keen on understanding the challenges and opportunities of the 21st-century energy landscape.

The book is available to purchase via Springer.



Impact engagement: Promoting participation of under-represented families in research

In June, Professor Kate Hoskin and Dr Emma Wainwright (Education), co-hosted an Impact-Engagement event at UCL (University College London) based on research aimed at promoting the participation of low-income families in education research, funded by the Brunel Institute of Communities and Societies. The project involved researchers from Brunel, UCL, University of Nottingham and Zhejiang University.

The research

23 interviews were completed with parents/carers of young children (aged 0-14 years old) from socio-economically disadvantaged backgrounds and seven NGO stakeholders who work with these families in London and Beijing to understand:

- The barriers, challenges and issues impacting socio-economically disadvantaged parents'/caregivers' participation in education research
- The role of context, culture, social class, gender and ethnicity in limiting research involvement
- Changes needed to encourage and enable socio-economically disadvantaged parents'/caregivers to take part in education research

Reconsidering research practices

The event engaged charities, housing associations, local authorities and universities in discussion, leading to a reconsideration of research practices which include:

- Verbal consent as easier to achieve than written consent.
- 'Typical' research information sheets and consent forms as a deterrent to participation.

- Trusted gatekeepers as key to successful access.
- Longer term collaborations with NGOs as equal partners to overcome engagement barriers.
- The need for longer project timeframes to develop relationships and ensure research is inclusive.

Quotes from attendees and stakeholders

"To capture the experiences of families experiencing disadvantage is vital to understand what will best address tackling those disadvantages. Stripping away some of the academic conventions and researchers presenting as 'human', with empathy, open ears and as active listeners not wedded to a script will help. Time, time is key to grow trusting relationships. Time being a luxury not afforded to many researchers or parents." Dr Deborah Bell, Local Authority stakeholder

"In highly diverse multilingual societies, considering carefully how to include families who use English as an additional language is imperative. Working within the community from the very early stages of study design is ideal. However, where this is harder, for instance, with multiple languages and small budgets, flexibility, sensitivity and approachability are key." Dr Katya Saville, UCL Faculty of Education and Society

"The research you conducted was extremely important since it focused specifically gaining insight on vulnerable population groups presenting the challenges you all faced was relatable to all qualitative researchers." Hannah Froome, Doctoral Researcher, Brunel

"Adding your voice to research makes it better and more relevant - and more likely to have a positive impact on the world." Helen Craig, UCL Co-Production Collective

Showcasing the research findings

Since the event, to showcase the research findings, a new e-brochure titled 'Promoting participation of under-represented families in research' has been published. This is now available at:

https://issuu.com/ucl-ioe/docs/promoting_participation_of_under-represented_family



Silver Best Student Paper Award



Award Ceremony in Romania (June 6-10, 2023)

Doctoral Researcher Xiangyu An and Dr Mingfeng Wang - Lecturer in Robotics & Autonomous Systems in the Department of Mechanical & Aerospace Engineering - have been awarded the Silver Best Student Paper Award at the 8th International Workshop on New Trends in Medical and Service Robots (MESROB'23). The award ceremony took place in June in Craiova, Romania.

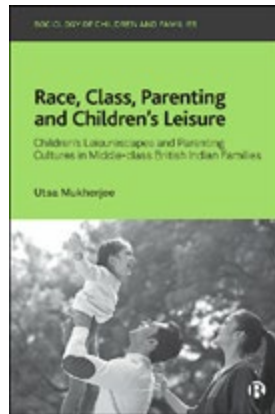
The paper, titled 'Design and development of a 6-degree-of-freedom robotic device for cochlear implantation surgery' proposed a conceptual design of a robotic device that uses the 6-degree-of-freedom (DoF) 3-PRRS parallel manipulator for Cochlear Implant (CI) surgery. The kinematic analysis of this robotic platform has been studied and the constant and variable parameters describing the geometry and inverse kinematics of the analysed parallel manipulator are determined. A 3D CAD model of the proposed 6-DoF 3-PRRS robotic device is built in SolidWorks®, which was subsequently converted into a prototype for practical testing. Finally, the prototype of the platform has been developed by using rapid prototyping technology. A series of preliminary experiments have been carried out in which the motion ranges, manoeuvrability and stability of the parallel manipulator platform have been tested.



Professor Shouxun Ji wins prestigious award of excellence

Brunel University London and Husqvarna AB have won the 2023 award of excellence from International Magnesium Association (IMA) in the commercial cast product category for high temperature magnesium alloy small engine cylinder. This work is led by Prof. Shouxun Ji (BCAST - Brunel Centre for Advanced Solidification Technology), and the

key contributors include Dr. Xixi Dong (Brunel, now Prof. at Nanjing University of Aeronautics and Astronautics, China), Mr. Martin Almgren (Director of Advanced Development, Husqvarna AB, Sweden), and Mr. Eric Nyberg (Brunel, now Kaiser Aluminum, USA). The IMA Annual Award has a long history and is the most prestigious awards for a major development in magnesium field. The 2023 award was issued at the 80th annual IMA conference, Calgary, Canada, with the categories of Automotive cast product, Commercial cast product, Wrought product, Process, Environmental, and Future Technologies.



Dr Utsa Mukherjee's new book on race, class, parenting and children's leisure

A new book titled *Race, Class, Parenting and Children's Leisure: Children's Leisurescapes and Parenting Cultures in Middle-class British Indian Families* authored by Dr Utsa Mukherjee (Lecturer in Education) encapsulates an innovative study that bridges childhood studies, family studies, and leisure studies, while offering a fresh perspective on children's leisure time. Children's leisure lives are changing, with increasing dominance of organised activities and screen-based leisure. These shifts have reconfigured parenting practices, too. However, current understandings of these processes are race-blind and based mostly on the experiences of white middle-class families. Drawing on an innovative study of middle-class British Indian families, this book brings children's and parents' voices to the forefront and bridges childhood studies, family studies and leisure studies to theorise children's leisure from a fresh perspective. Demonstrating the salience of both race and class in shaping leisure cultures within middle-class racialised families, this is an invaluable contribution to key sociological debates around leisure, childhoods and parenting ideologies.

The book is available through Bristol University Press.

Brunel : Seminar series on multiple long-term conditions



l to r: Dr Claire Nolan, Dr Kei Long Cheung and Dr Emily Hunt

Dr Claire Nolan (Lecturer in Physiotherapy), Dr Emily Hunt (Lecturer in Sport, Health and Exercise Sciences) and Dr Kei Long Cheung (Senior Lecturer in Public Health) ran a seminar series between January and June 2023 to facilitate inter-disciplinary grant development on multiple long-term conditions (MLTC). The series involved two webinars, a patient and public involvement workshop and a research workshop.

The webinars included a series of lectures delivered by national experts and were attended by over 100 delegates. The first webinar explored research opportunities in MLTC whereas the second related to study design considerations for research in this area.

At the patient and public involvement group workshop, the group reviewed the James Lind Alliance research priorities on MLTC for older adults and identified additional priorities.

The research workshop, which was held on campus and facilitated by Fairisle Consulting, aimed to develop interdisciplinary collaborations and grant ideas on MLTC. Fifteen interdisciplinary academics and clinicians considered the James Lind Alliance and patient and public involvement group research priorities. Three groups were formed and each developed a proposal and identified an appropriate funding scheme. The groups made plans to further develop the proposals at the end of the workshop.



Vasilis Sarafidis – Professor of Finance

Professor Vasilis Sarafidis joined Brunel University London in August 2023 as a Professor of Finance at the Department of Economics and Finance, within the College of Business, Arts and Social Sciences. Prior to that, he held academic positions in the BI Norwegian Business School in Norway; Monash University and the University of Sydney in Australia.

Vasilis's educational background is in the areas of economics and econometrics. He received his BA in Economics with Computing and Quantitative Methods at the University of Sussex, and his MPhil in Economics and Econometrics at the University of Cambridge. He completed his PhD in Econometrics in 2006 with a full ESRC scholarship at the University of Cambridge.

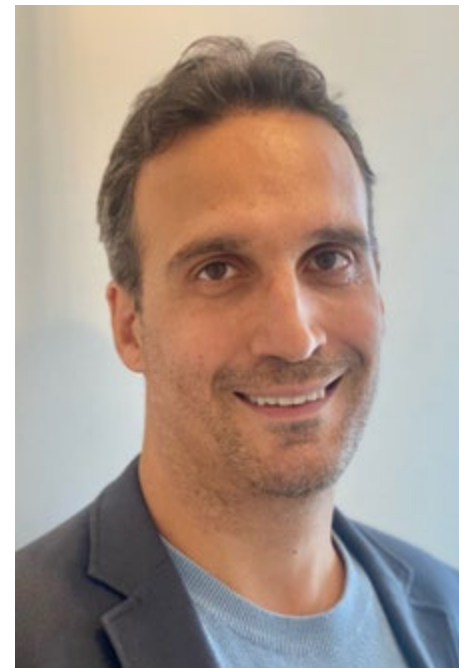
His primary research focus centres on econometrics and the analysis of panel data. His work encompasses both theoretical and data-driven analyses, addressing complex problems that demand strong analytical and critical-thinking skills. His research interests encompass a wide range of areas, including model specification and testing, factor analysis, network models, and spatial interactions. He applies these research insights to various domains, notably in banking and finance, where he contributes to areas such as credit risk analysis and contagion.

His research has garnered publication in prestigious international journals, including

the Journal of Econometrics and the Journal of Business and Economic Statistics. He has received numerous research grants as a Principal Investigator, totalling approximately half a million dollars in value. One notable achievement in his career was his role as a Guest Editor for the Journal of Econometrics, where he contributed to, and edited a special issue titled "40 Years of Panel Data Analysis: Past, Present and Future".

Vasilis has significant presence in the industry and has made a substantial impact, frequently serving as an economic expert or lead data scientist, including engagements with organisations like the Productivity Commission, the Essential Services Commission in Victoria, the Commonwealth Environmental Office, the NSW Independent Pricing and Regulatory Tribunal, the Bureau of Airline Representatives of Australia, and the NSW Corrective Services.

At Brunel, Vasilis is looking forward to collaborating with his colleagues in the Department of Economics and Finance. He will extend his current theoretical work in panel data analysis, with a focus on heterogeneous panels and network formation. He will use his expertise to analyse the behaviour of financial institutions in order to encourage a better understanding of systemic risk, market efficiency and risk management. Apart from that, he will continue engaging with the local industry in terms of research collaboration, joint grant applications and



student internships. He has plans to organise high-quality conferences and workshops and promote financial education in the local community.

Dr Matilde Rosina - Lecturer in Global Challenges (Social Cohesion)



Dr Matilde Rosina joined Brunel University London in August 2023 as a lecturer in Global Challenges in the Department of Arts and Humanities. Matilde is also the Deputy Director of the Centre for Italian Politics at King's College London and Visiting

Fellow at the London School of Economics. Prior to joining Brunel, Matilde held roles as Lecturer at the University of East Anglia and as Postdoctoral Fellow at the London School of Economics.

Matilde obtained her PhD in International Political Economy from King's College London in 2020, earning the King's Outstanding Thesis Prize. Her thesis laid the groundwork for her monograph, "The criminalisation of irregular migration in Europe: Globalisation, deterrence, and vicious cycles" published in 2022 by Palgrave Macmillan, which dissects the multifaceted consequences of restrictive migration policies in Europe.

Matilde's research focuses primarily on international political economy and migration, with a specific emphasis on the European context. Her research portfolio encompasses three key themes.

Firstly, she explores the governance of international migration, in the context of globalisation. Her work sheds light on the key factors behind the 'gaps' between migration policy goals and their outcomes, with a particular focus on deterrence policies and their complexities.

The second crucial theme in her research is the securitization of migration. Her monograph critically assesses the criminalization of irregular migration in Europe, revealing its limited impact on migratory flows and its unintended

consequences, including an increase in irregularity and insecurity.

The third strand of her research delves into migration diplomacy, investigating the link between migration, foreign policy, and international relations. Her work offers valuable insights into the various instruments and strategies employed by states when cooperating on migration issues.

Beyond her academic publications, Matilde has engaged with a broader audience through platforms such as the LSE Blog, Monocle Radio, the LSE Research Showcase and other, where she shares her expertise and insights on contemporary immigration issues (e.g. on the latest UK Immigration Bill).

At Brunel, she looks forward to collaborating with colleagues from across the University, and to further exploring issues related to migration and its governance.

Grants Awarded Q4 2022/23

(1 May 2023 – 31 July 2023) £4,247,653

BCAST - Brunel Centre for Advanced Solidification Technology

Professor Shouxun Ji (PI) Dr Yan Huang (Co-I): NioCorp Developments Ltd - NioCorp Studentship: Effect of Sc on the microstructures and mechanical properties of cast aluminium alloys, £144,235

CBASS – College of Business, Arts and Social Sciences

Dr Marco Carbone (PI): AHRC- Arts & Humanities Research Council - 2023 Techne Studentship DTP - Robin Longobardi, £63,066

Dr Kathryn Hoskins (PI): ESRC - Economic & Social Research Council - Grand Union Doctoral Training Partnership (DTP) Studentship - Joanne Tallentire, £47,932

Dr Sharon Lockyer (PI): AHRC- Arts & Humanities Research Council - 2023 Techne Studentship DTP - Francesca Riando, £63,066

Dr Paul Moody (PI) Dr Sara De Benedictis (Co-I): AHRC- Arts & Humanities Research Council - 2023 Techne Studentship CDA - DTP - Kelly Holmes, £65,166

Dr Alison Carrol (PI): AHRC- Arts & Humanities Research Council - 2023 Techne Studentship DTP - Regan Ebsworth, £63,066

Dr Maria Kastrinou (PI): AHRC- Arts & Humanities Research Council - 2023 Techne Studentship DTP - Tomas Aclan, £63,066

Dr Alison Carrol (PI): Gerda Henkel Stiftung - Channelling Identities. Borders, Belonging and the Idea of the Channel Tunnel in France and Britain, 1802-1994, £36,308

Dr Alison Carrol (PI): Gerda Henkel Stiftung - Supplement and Extension: Channelling Identities. Borders, Belonging and the Idea of the Channel Tunnel in France and Britain, 1802-1994, £36,302

CEDPS – College of Engineering, Design and Physical Sciences

Dr Michail Kazilas (PI): EPSRC - Engineering & Physical Sciences Research Council - Aitrocomps: AI-driven through-thickness reinforcement design optimisation for multifunction, £4,801

Dr Lucia Corsini (PI): ESRC - Economic & Social Research Council - Inclusive CIRcular economy business models for the reusable PACKaging of fast moving consumer goods (CIRPAC), £249,332

Dr Liang Li (PI): Royal Society - Design and experimental investigation of R32 heat pump with microchannel heat exchanger, £9,209

Dr Liang Li (PI): Royal Society - Design and experimental investigation of Microchannel heat pump with nanofluids, £19,979

Dr Lorna Anguilano (PI): UKRI (EC) - UK Research and Innovation - Development of compostable and renewable foams from macroalgae-based sources and identification of strategies for their successful implementation in the waste management system:CORAL, £187,096

Dr George Fern (PI): Xampla Ltd - Project for XAMPLA Ltd, £15,220

Dr Tao Zhao (PI) Dr Mei Yin (Co-I): UKRI (EC) - UK Research and Innovation - ENHANCE: ExploriNg How climate chANge affects coastal Cliff collapSE: modelling and forecasting, £200,512

Dr Evina Katsou (PI) Dr Alireza Mousavi (Co-I): UKRI (EC) - UK Research and Innovation - Demonstrating and Replicating Innovative Nature-based and other Engineered solutions within the Mediterranean to Support Climate Resilience of Regions: CARDIMED, £561,898

Dr Abiy Kebede (PI): Global EbA Fund - Upscaling Mangrove Restoration for Coastal Hazard Reduction in a Deltaic Environment: Prioritizing Restoration Efforts for Nature-based Solutions in the Volta Delta, £24,789

Mohammed Sarfaraz Adnan (PI): Leverhulme Trust - Nature-based Solutions to Mitigate Multi-hazard Risks in Coastal Megacities: Mohammed Sarfaraz Gani Adnan ECF, £95,930

Dr Michael Rustell (PI) Professor Tatiana Kalganova (Co-I): Innovate UK - LeisAIR: Leisure craft AI Image Recognition, £19,757

Dr Giuseppe Destefanis (PI) Dr Romyana Neykova (Co-I): Ethereum Foundation - Ethereum Development Unraveled: A Blockchain of Communication, £22,222

Dr Nour Ali (PI): Python Software Foundation - Python MiSAR: Recovering architecture models from Python microservice based systems, £2,414

Dr Kezhi Wang (PI): Innovate UK - intelligence to Drive | Move-Save-Win, £249,950

Professor Asoke Nandi (PI): UKRI (EC) - UK Research and Innovation - Condition monitoring of wind turbine gearbox toward digital twin ecosystem: WINDTWIN, £200,512

Professor Maysam Abbod (PI) Dr Mohamed Darwish (Co-I): Innovate UK - PB Design and Developments Ltd KTP 22_23 R5, £310,644

Dr Anne-Sophie Kaloghiros (PI): Isaac Newton Institute for Mathematical Sciences - UK Algebraic Geometry Network, £23,000

Professor Tassos Karayiannis (PI) Dr Atanas Ivanov (Co-I): EPSRC - Engineering & Physical Sciences Research Council - Spray cooling high power dissipation applications (SANGRIA): From Fundamentals to Design, £590,565

Dr Valentina Stojceska (PI) Dr Dale McClure (Co-I): Innovate UK - Next Generation Plant-Based Meats: Optimising Nutritional Value and Sustainability through Ingredient Selection and Processing, £246,038

Professor Hussam Jouhara (PI): Air Products Plc - Cryogenic Research into Indirect Cooling Techniques, £46,944

Dr Xinyan Wang (PI) Professor Hua Zhao (Co-I): Shell Research Ltd - Shell studentship: Hydrogen Nanobubbles in gasoline, £100,000

CHMLS – College of Health, Medicine and Life Sciences

Professor Nana Anokye (PI) Professor Louise Mansfield (Co-I): ESRC - Economic & Social Research Council - Grand Union Doctoral Training Partnership (DTP) Studentship (CDA) - Alejandra Carillio, £55,440

Professor Veena Kumari (PI): MRC - Medical Research Council - Psychosis MRI Shared Data Resource, £34,620

Dr Thomas Miller (PI): BBSRC - Biotechnology & Biological Sciences Research Council - Machine learning approaches to understand the uptake and elimination of anthropogenic stressors in animal health - CASE studentship Jasmin Ulhorn, £896

Professor Vassil Girginov (PI): Qatar National Research Fund - Mega Sporting Events and Social Development in Qatar: An investigation into public value creation and capacity building in the higher education and sport sectors, £39,407

Dr Martina Bocchetta (PI): Alzheimer's Society - Alzheimer's Society - Multimodal disease staging in genetic frontotemporal dementia, £1,500

Dr Cristina Correia Antunes Pina (PI) Dr Maria Tosi (Co-I): Little Princess Trust - Identification of therapeutic targets in MNX1-rearranged infant Acute Myeloid Leukaemia, £145,412

Dr Alessandro Esposito (PI): Cancer Research UK - Optogenetic control and measurement of oncogenic mutations and signalling in organoid cultures for the biophysical modelling of early oncogenesis, £30,932

Dr Adam Bruton (PI) Dr Oliver Gibson (Co-I): Optibiotix Ltd - Investigating the impact of SlimBiome on the glycaemic response of healthy overweight adults, £22,664

Institutional

Professor Hua Zhao (PI): UKRI - UK Research and Innovation - Open Access Block Award 2023, £153,762



Internal funding, sabbatical and support schemes

Brunel University London operates a number of schemes that provide support and funding to researchers at all stages of their careers, for research, knowledge exchange, public and policy engagement and, periodically, for collaboration with strategic partners. This article sets out a summary of information and resources to support colleagues find funding and support opportunities from internal sources.

A number of internal funding schemes operate across the following categories:

- Research (e.g., RDF, BRIEF, BRIL, Seminar Series, Athena Swan Research, Sabbatical)

- Knowledge exchange
- Public and Policy Engagement
- Partnerships

Other support schemes

In addition, Brunel also supports open access publishing and archiving of journal articles and conference papers in line with the Open Access Mandate in the University's Research Integrity Code. The Brunel **Open Access Publishing Fund** supports open access publishing in peer-reviewed journals and conference proceedings, subject to certain eligibility requirements.

In addition to these University schemes, each of our three

Colleges and **BCAST** provides support tailored to the unique requirements and needs of its own academics and researchers. For information on College research support policies and schemes, contact your Vice Dean Research or your College Research Office. For information on BCAST research support, contact Dr Ian Stone or Susan Job.

The Research **Institutes** support and champion interdisciplinary research to address grand challenges, drawing together expertise from across our three Colleges and BCAST and our partnerships with stakeholders. Each Institute supports researchers to connect and

collaborate to develop innovative new research directions.

University Research Centres play an important role in supporting researchers through the organisation of research events and seminars, collaborative funding applications and knowledge exchange activities.

Ready to apply?

To learn more about any of the schemes above and apply, visit:

<https://www.staff.brunel.ac.uk/directorates/research-support-and-development-office/how-do-i-apply-for-research-funding/internal-funding-sabbatical-and-support-schemes>



UK association with Horizon Europe

After several months of negotiations with the European Commission (EC), the UK government has officially announced its return to the world's largest research and innovation initiative, Horizon Europe. This development comes after nearly a three-year hiatus and brings great opportunities for British scientists and organisations. This is particularly good news for Brunel's research community because we have traditionally been very successful in obtaining funding under the EC's research programmes.

Under this bespoke agreement, UK scientists now have full access to the Horizon Europe programme, which boasts an impressive budget of £85 billion (€95.5 billion) running until 2027. Horizon Europe offers substantial funding opportunities for both individual researchers and cross-border scientific consortia, encompassing not only EU member states but also affiliated non-EU nations. These associated countries contribute to the programme and, in return, gain access to valuable grant

opportunities and the ability to engage in global collaborative initiatives.

What this means for Brunel academics and researchers is that there is no longer any uncertainty about applications to Horizon Europe schemes, whose costs have until now been covered on a temporary basis by the UK government. This includes the 'mono-beneficiary' schemes (i.e. not requiring a cross-European consortium) such as those of the European Research Council. From 1st of January 2024 Brunel will be able not only to participate but to coordinate all projects across all Horizon Europe funding schemes. For all Brunel existing Horizon Europe projects, and for winning proposals with deadlines in 2023, the funding will be provided by UKRI (UK Research and Innovation) under the Horizon Europe guarantee scheme. These changes will be highlighted in announcements on the 'EU Funding' Viva Engage Group (see below) and in an EU funding event planned for later this year.

Learn more

Learn more about the Horizon Europe deal:

For more information on the government's announcement, visit: <https://www.gov.uk/government/news/uk-joins-horizon-europe-under-a-new-bespoke-deal>

To learn more about the details, Research Professional answers nine key questions on the agreement. To access the article, visit: <https://www.researchprofessional.com/0/rt/news/uk/politics/2023/9/Explainer--What-s-in-the-EU-UK-Horizon-Europe-deal--.html>

What support is available to Brunel's research community?

To learn more about the support available to Brunel's research community, read the full article at: <https://www.staff.brunel.ac.uk/campus-news/brilliant-news-for-our-research-community-as-uk-returns-to-horizon-europe>