MSCA Postdoctoral Fellowships 2026

The ADAPT Centre is excited to invite expressions of interest for the competitive and career enhancing 2-year European Postdoctoral Fellowships (PF), a Horizon Europe Marie Skłodowska-Curie Action.

We invite applications from experienced researchers in the areas of Digital Health, Machine Learning, Artificial Intelligence, Multimodal Data, Medical Imaging, Digital Pathology, AI Anthropomorphism, Misinformation, Disinformation, Bias, Human–Computer Interaction, Virtual Reality, Embodied Conversational Agents, Natural Language Processing, Linked Data, Digital Humanities, Multi-Agent Systems, Agentic AI, Secure 5G and 6G Architectures, Privacy-Preserving Communications, Federated Learning, Adversarial Machine Learning, Quantum AI, Sustainable Communications, Explainable AI, Trustworthy AI, Healthcare Data Integration, Precision Medicine, Oncology AI, Neurodegenerative Disease Modeling, Responsible AI, AI Ethics, Differential Privacy, Blockchain for Data Governance, Knowledge Graphs, Educational Technology, Ethics, Artificial Intelligence in Education, Large Language Models, Deep Learning, Network Security, Green AI, AI for Sustainability, Digital Transformation, Remote Sensing, Climate Change, EdTech, 6G, Data Privacy, Edge Intelligence, Wireless AI, Evaluation, Application of AI to:Digital Twin, Optical Networks, Fibre Sensing, Wireless Communication Networks, AI, Agentic-AI, Network Control, Acoustics and Audio Signal Processing.

ADAPT's world-leading academics looking to supervise fellows can be found at the end of this document - click **HERE** to read about our experts.

As part of this prestigious Postdoctoral Fellowship you will

1. Have full autonomy to develop a novel proposal aligned with your research career guided by a world leading academic supervisor in your field and an expert research development team.
2. Join the Marie Curie Alumni Association, a major platform for researchers to contribute to shaping science policy in Europe, providing career development opportunities and supporting the wider research community on topics affecting research and researchers' lives.
3. Expand the reach of your research through the MSCA programme which is proven to increase citation publication rate in comparison to other schemes.
4. Be provided with a generous Mobility and Living Allowance as well as a Family Allowance (where applicable) to enable your relocation to Ireland, the European hub of digital innovation.

Submit an Expression of Interest | Learn more about the Scheme

Why ADAPT?

- **Contribute** to the ADAPT research agenda that pioneers and combines research in AI driven technologies: Natural Language Processing, Video/Text/Image/Speech processing, digital engagement & HCI, semantic modeling, personalisation, privacy & data governance.
- **Work** with our interdisciplinary team of leading experts from the complementary fields of, Social Sciences, Communications, Commerce/Fintech, Ethics, Law, Health, Environment and Sustainability.
- **Leverage** our success. ADAPT's researchers have signed 105 collaborative research projects, 77 licence agreements and oversee 16 active commercialisation funds and 52 commercialisation awards. ADAPT has won over 105 competitive EU research projects and obtained over €50 million in non-exchequer non-commercial funding. Additionally, 22 spinout companies have been formed. ADAPT's researchers have produced over 3000 journal and conference publications and nearly 173 PhD students have been trained.

About the ADAPT Centre

The ADAPT Centre, funded by ResearchIreland, focuses on developing next generation digital technologies that transform how people communicate by helping to **analyse**, **personalise** and **deliver** digital data more effectively for businesses and individuals. ADAPT researchers are based in eight leading universities: Trinity College Dublin, Dublin City University, University College Dublin, Technological University Dublin, Maynooth University, Munster Technological University, Technological University of the Shannon: Midlands Midwest, and the University of Galway.

ADAPT's research vision is to pioneer new forms of proactive, scalable, and integrated AI-driven Digital Media Technology that empower individuals and society to engage in digital experiences with control, inclusion, and accountability with the long-term goal of a balanced digital society by 2030. ADAPT is pioneering new Human Centric AI techniques and technologies including personalisation, natural language processing, data analytics, intelligent machine translation, human-computer interaction, as well as setting the standards for data governance, privacy, and ethics for digital content.

Application Process and Support Offered

Candidates interested in applying for a PF with the ADAPT Centre and any of its affiliated host institutes must fill out and submit the "Expression of Interest" form available on this link

Candidates will be selected based on eligibility, experience, alignment with ADAPT priorities and proposed supervisor's research interest. The final decision to support a candidate will ultimately be taken by the supervisor and a contract will only be issued if and only if the submitted proposal is selected for funding by the European Commission.

The selected candidates will receive support from ADAPT's Research Development Team in writing their applications and join a number of working sessions to develop a strong and competitive proposal.

Stages of the EoI process and indicative timeline:

Call for EoIs opening	18 March 2026
Submission of EoIs to ADAPT	Between 18 March - 30 April 2026
Review of EoIs	Throughout April and May. Supervisor to candidate meetings will take place to assess alignment of research interests. Candidates will be informed of the outcome by end of May.
Working sessions and support from ADAPT in proposal development	June - July 2026
Submission of full draft proposal to ADAPT	4th August 2026
MSCA PF submission deadline	9 September 2026

Funding

Each candidate will apply to the scheme with an ADAPT Centre Supervisor who belongs to one of the 8 institutions affiliated to the Centre, this will be the candidate's host institution.

Should the proposal be successful, the candidate will receive a contract of employment for the period of 2 years, fully funded by the European Commission.

The beneficiary receiving EU funding (The ADAPT Centre through its host Institutions) recruits the researcher (Candidate) for the total period of the fellowship (24 months' duration). This recruitment will only happen if the proposal is selected for funding by the European Commission.

Annual Gross Salary (made up of the living and mobility allowance) is expected to be in the approximate range of €85k for Ireland-based MSCA fellows.

The EU provides the following support:

- a living allowance
- a mobility allowance
- if applicable, family, long-term leave and special needs allowances

In addition, funding is provided for

- research, training and networking activities
- management and indirect costs

Eligibility

Candidates must:

1. Have successfully defended their thesis or have been formally awarded a PhD degree at the time of the deadline.
2. Have a **maximum** of eight years' experience in research, from the date of the award of their PhD degree. Note that years of experience outside research and career breaks will not count towards the above maximum, nor will years of experience in research in countries outside of the EU, for nationals or long-term residents of EU Member States or Horizon Europe Associated Countries who wish to reintegrate to Europe.
3. Should comply with mobility rules: they must not have resided or carried out their main activity (work, studies, etc.) in the country of the beneficiary (Ireland) for more than 12 months in the 36 months (3 years) immediately before the call deadline. Special mobility rules apply for career break and researchers' at risk.

ADAPT Supervisors

Dr Aidan Meade

TU Dublin

Dr. Aidan D. Meade is a Lecturer in Physics at the School of Physics, TU Dublin where he is the Course Director for the BSc in Physics with Data Science. He is a Funded Investigator within the Research Ireland ADAPT AI research centre where he contributes to supporting machine learning under the PRECISION-ALS research programme. He is currently a member of the council of the European Radiation Research Society, senior council of the Irish Association for Cancer Research and council of the International Society for Clinical Spectroscopy.

His expertise is in radiobiology, spectral histopathology, hyper-spectral and multi-modal chemical imaging with AI. His research interests include the use of multi-modal pre-clinical and clinical data to develop holistic computational models for clinical decision support in cancer, particularly for applications involving chemical imaging histopathology and spectral liquid biopsy.

For this call, Dr Meade is interested in research projects in the areas of AI for spectral histopathology, AI for digital pathology and AI for multimodal healthcare data.

Research keywords: Digital Health, Machine Learning, Artificial Intelligence, Multimodal data, Medical imaging, Digital Pathology, Spectral Histopathology

Prof Ashish Kumar Jha

Trinity College Dublin

Ashish Kumar Jha is a Professor in the field of Business Analytics at Trinity Business School. He is the founding director of M.Sc. Business Analytics (Ranked 1st in Ireland and 24th Globally). He is the director of Trinity Centre for Digital Business and Analytics. He is a funded Investigator at ADAPT.

His research revolves around the areas of fake news and social media analysis. Ashish uses statistical and analytical techniques to understand how firms and consumers interact on social platforms and its effects for both firms and their consumers. His work utilizes both secondary data based statistical analysis as well as controlled experiments. His papers have been published in many top journals of the field including Journal of MIS (listed in FT list of preferred journals), Information and Management, International Journal of Production Economics, Communications of AIS among others. He has also presented his work at numerous top conferences of the field including International Conference on Information Systems, European Conference on Information Systems, Decision Sciences Institute Annual Meeting, Informs Annual Meeting among others. Ashish serves as an Associate Editor for European Journal for IS, Information & Management and Information Systems Frontiers and also serves as ad-hoc reviewer and associate editor for various conferences and journals including International Conference on Information Systems, European Conference on Information Systems, European Journal of Information Systems, Decision Support Systems, Expert System with Applications, Decision Sciences, International Journal of Production Economics etc.

For this call, Prof Jha is interested in supervising projects around the topic of AI and businesses. How can AI be made more human to enhance strategic partnership between humans and AI for higher business productivity. Allied questions would be about how businesses can manage AI processes and their impact. These could be experiment designs or secondary data analysis using econometric techniques.

Research Keywords: AI Anthropomorphism, AI and Business, Misinformation, Technology Management

Dr Brendan Spillane

University College Dublin

Dr Brendan Spillane is an Assistant Professor in the School of Information and Communication Studies in University College Dublin (UCD) and a Funded Investigator in the Science Foundation Ireland ADAPT Centre for AI-Driven Digital Content Technology. He completed his PhD in the School of Computer Science and Statistics in Trinity College Dublin on bias, credibility and judgements of news.
His work is focused on Human Judgement of Information at the intersection of Human Computer Interaction (HCI), Behavioural Science and Information Science. Common topics in his work include Bias, Credibility, Misinformation and Disinformation, News, and Information Security.

Dr Spillane is the Principal Investigator of the 3-year, €4m, 18 partner Horizon Europe VIGILANT project (www.vigilantproject.eu). The exciting project, which kicked off in November 2022, will equip European Police Authorities with advanced technologies from academia to detect and analyse disinformation campaigns that are linked with criminal activities. His winning proposal received a perfect 15:15 score. He is also a partner in a new 3-year, €3.1m, 15 partner, Horizon Europe Research Innovation Action project called ATHENA (https://project-athena.eu/) which is focused on countering disinformation linked to Foreign Information Manipulation and Interference (FIMI) which began in November 2023.

For this call, Dr Spillane is looking for projects focused on:

- Misinformation, disinformation and other related forms of problematic content (e.g., hate-speech, radicalisation, incel, extremist).
- Foreign Information Manipulation and Interference (FIMI)
- Bias, credibility and news in general
- The intersection of HCI and news, specifically relating to the design of news websites and news apps and how humans interact with them
- Chatbots, dialogue and conversational agents and misinformation and disinformation
- Visual, auditory and message cues of disinformation
- Perception of human like agents in information confused environments

Research keywords: Misinformation, Disinformation, Bias, Credibility, News, Information Security, Human Judgement of Information at the intersection of Human Computer Interaction (HCI), Behavioural Science and Information Science.

Dr Cathy Ennis

Maynooth University

Dr Cathy Ennis is a lecturer in the School of Computer Science in Maynooth University. Her research interests are in the development of plausible virtual characters as well as building engaging interactions with and between virtual humans. Dr Ennis is a funded investigator in SFI ADAPT and has had funding awards from the SFI funded D-REAL CRT. She has served as a programme committee member of ACM Symposium on Applied Perception for a number of years and has published in many top tier conferences and journals including IEEE VR and ACM SIGGRAPH.

For this call: Dr Ennis is looking for projects within VR or games, particularly with a focus on virtual characters across any application e.g., Metaverse or serious games. Examples include looking at employing ML techniques to improve automatic gesture generation, or enhance user engagement/learning with virtual characters.

Research keywords: Virtual Characters, Interactions, Gestures, Virtual Reality, Embodied Conversational Agents, Multi -Modal, Social Vr, Perception, Serious Games, Engaging Avatars.

Dr Deepu John

University College Dublin

Dr. Deepu John is an Assistant Professor at the School of Electrical and Electronic Engineering, University College Dublin, Ireland. He obtained his B.Tech degree in Electronics and Communication Engineering from the University of Kerala, India, in 2002, followed by M.Sc. and PhD degrees in Electrical Engineering from the National University of Singapore in 2008 and 2014, respectively. From 2014 to early 2017, he worked as a postdoctoral researcher at the Bio-Electronics Lab, National University of Singapore. Previously, he served as a Senior Engineer at Sanyo Semiconductors, Japan. He has received several awards, including the IEEE Transactions on Biomedical Circuits and Systems Best Paper Award (2024), Best Poster Award at the IEEE International Workshop for Future Intelligent Circuits and Systems (2022), the Best Design Award at the IEEE Asian Solid-State Circuit Conference (2013), the Institution of Engineers Singapore Prestigious Engineering Achievement Award, and the IEEE Young Professionals Region 10 individual award. Dr. John has served as a member of the organising or technical program committees for several IEEE conferences, including ISCAS, BioCAS, NorCAS, ICECS, AICAS, MWSCAS, APCCAS, LASCAS, SBCCI, TENCON, ASICON, and ICTA. He has previously served as a Senior Associate Editor for IEEE Transactions on Circuits and Systems II, Associate Editor for IEEE Internet of Things Magazine, and Guest Editor for IEEE Transactions on Circuits and Systems I and the IEEE Open Journal of Circuits and Systems. Currently, he serves as an Associate Editor for IEEE Transactions on Biomedical Circuits and Systems, the Wiley International Journal of Circuit Theory and Applications, and IEEE Transactions on Circuits and Systems I. His research interests include edge computing, IoT/wearable sensing, and biomedical circuits and systems. He is a Senior Member of the IEEE.

For this call, Dr. Deepu John is looking for projects related to

1. TinyML, Embedded AI, Edge hardware, RISC-V, IoT/Wearables, Biomedical signal analysis
2. Optimized RISC-V Architecture for Low-Power Edge Hardware
3. Real-Time Biomedical Signal Analysis for Next-Gen Wearables

Research keywords: TinyML, Embedded AI, Edge hardware, RISC-V, IoT/Wearables, Biomedical signal analysis

Dr Eoin Delaney

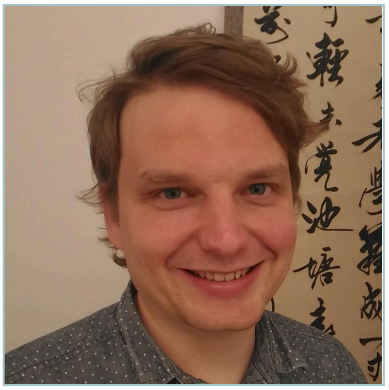
Trinity College Dublin

Dr Eoin Delaney is an Assistant Professor in the School of Computer Science and Statistics at Trinity College Dublin where he leads a team of researchers working on problems in responsible and reliable machine learning.

His research interests are in the areas of explainability, algorithmic fairness and robustness. He actively publishes in the top machine learning venues (NeurIPS, AAAI, IJCAI, AIJ, EMNLP, FAccT) and is passionate about applied and human-centered machine learning. Dr Delaney collaborates with industry and works with colleagues at the University of Oxford where he completed his postdoctoral research. During his PhD, Eoin won an Irish national award for Best Application of AI in a student project for his work on counterfactual and example based explanations in time series prediction.

For this call, Dr Delaney is interested in supervising projects in Explainable AI, Interactive Machine Learning, HCI, Interpretability and Algorithmic Fairness.

Research keywords: Machine Learning, Explainable AI, HCI, Interpretability, Robustness and Fairness.



Dr John McCrae

University of Galway

Dr John P. McCrae is an Associate Professor at the Data Science Institute and ADAPT Centre at the University of Galway, where he leads the Unit for Linguistic Data. His research focuses on the intersection of Natural Language Processing (NLP) and data science, with particular emphasis on ontologies, lexicography, the lexicon-ontology interface, and linked data. He completed his PhD at the National Institute of Informatics in Tokyo under the supervision of Nigel Collier, contributing to the BioCaster system for detecting disease outbreaks by processing texts in East Asian languages. Following this, he served as a postdoctoral researcher at Bielefeld University in Germany within Prof. Philipp Cimiano's Semantic Computing group.

He has substantial research and supervision experience in the area of knowledge graphs and natural language processing. He was the coordinator of the Prêt-à-LLOD project, an H2020 project on linked open data and NLP. He has also actively collaborated with industry partners such as Fidelity Investments and Huawei, applying his research to real-world challenges.

For this call: Dr McCrae is looking for projects relating to the development of natural language processing technologies for under-resourced and minority languages.

Research keywords: Natural language processing, lexicography, linked data, under-resourced languages, digital humanities.

Dr Kapal Dev

Munster Technological University

Kapal Dev is an Assistant Professor in the Department of Computer Science at Munster Technological University (MTU), Ireland. He previously served as a Senior Researcher at MTU and as a Postdoctoral Research Fellow at the SFI funded CONNECT Centre at Trinity College Dublin. He has industry experience as a 5G Consultant and Engineer at Altran Italia in Milan and as Head of European Commission funded projects at OCEANS Network. He received his PhD from Politecnico di Milano in 2019 under the Erasmus Mundus fellowship. He is the recipient of several prestigious awards, including the IEEE ComSoc EMEA Outstanding Young Researcher Award 2022, the Tom Brazil Excellence in Research Award 2023 from CONNECT, and the Irish Research Council Research Ally Prize 2022. In 2024, he was selected as a member of the Global Young Academy and received the Best Workshop Paper Award at IEEE WCNC. He has also been recognised with the IEEE ComSoc Excellent Reviewer Award and has delivered invited talks under the IEEE ComSoc Distinguished Speaker Program. Dr Dev has secured over €1.5 million in competitive research funding as Principal Investigator through Horizon Europe, MSCA Staff Exchange, Erasmus+ and H2020 CO-FUND projects. He is a Funded Investigator at the CONNECT Centre, Trinity College Dublin. His standardisation activities include contributions to IEEE P1954 on spectrum agile UAV communications and an Internet Draft submitted to the IETF. He is the Founding Chair of the IEEE ComSoc Special Interest Group on Industrial Communication Networks. He serves in editorial roles across leading journals, including multiple IEEE Transactions (IEEE COMST, TNSM, TCOM, TVT, IoTj), IEEE Open Journals, Elsevier, Springer, IET, Nature Scientific Reports, and Frontiers. He is an Area Editor for Elsevier Physical Communication and a board member of the IEEE Future Directions Newsletter. He has also acted as Guest Editor for several Q1 journals and held leadership roles in workshops at ACM MobiCom, IEEE Globecom, ICDCS, Blockchain, CCNC, PIMRC, and others. He regularly serves on TPCs of major IEEE conferences. His research focuses on wireless networks, security and privacy, agentic AI, and Industry 5.0. He has supervised over 32 MSc and PhD students and has published more than 100 peer reviewed papers in top tier journals and conferences. He is an external evaluator for ERC, SNS6G and MSCA programmes and a Senior Member of IEEE and professional member of ACM. He is acting as supervisor for one successful MSCA IF applicant in 2025 call with 97.2 score.

For this call, I am interested in supervising projects in secure and intelligent wireless networks, particularly 5G and 6G systems, AI native radio access networks, and privacy preserving communication architectures. This includes agentic and multi agent AI for network automation, zero trust security frameworks, federated and distributed learning for edge and IoT systems, and adversarially robust machine learning for wireless environments. I also welcome projects on O RAN security, non terrestrial networks, spectrum optimization, energy efficient and green communications, post quantum and quantum secure networking, and AI driven resilience for critical digital infrastructure. Interdisciplinary projects aligned with sustainability and SDG focused digital innovation are especially encouraged.

Research keywords: Multi Agent Systems, Agentic AI for Wireless Networks, Secure 5G and 6G Architectures, Privacy Preserving Communications, Zero Trust Networking, Federated Learning for Wireless Systems, Adversarial Machine Learning Defense, O RAN Security and Autonomy, Quantum AI for Communication Systems, Post Quantum and Quantum Secure Networking, Sustainable and Energy Efficient Communications, Resilient Digital Infrastructure

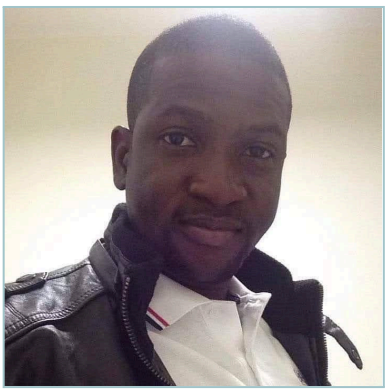
Dr Kevin Doherty

University College Dublin

Dr Kevin Doherty is AdAstra Assistant Professor of Human-Computer Interaction at the School of Information and Communication Studies at University College https://www.adaptcentre.ie/experts/kevin-doherty/Dublin, where his research focuses on advancing a human-centred approach to person-centred care for the digital age — through the design, development and evaluation of digital tools to enhance the clinical practice of healthcare, everyday mental health, and digital wellbeing. Current research projects span the development of digital and AI tools to support the online and face-to-face practice of therapy, self-report technologies to inform and facilitate access to mental healthcare, and decision-support systems to augment care for chronic, co-morbid conditions.

For this call, Kevin is interested in supervising projects relating to human-centred applications of AI for health and care, relationship-, person- and patient-centred tools, approaches and paradigms; including to support the online and in-person practice of therapy, creative design research methods; including toolkits to enhance participation in research and foster ethical design values, and self-report (EMA) tools and methods; including to support practices of collaborative self-tracking, self-care, reflection and reminiscence. Kevin welcomes proposals from candidates with backgrounds spanning HCI, computer science, psychotherapy, psychology, and other disciplines, with a passion for advancing a human-centred computer science, fostering interdisciplinary design research practices, and questioning what it means to care.

Research keywords: Human-Computer Interaction, Health, Care



Dr Kolawole Adebayo

Maynooth University

Dr Kolawole Adebayo is an Assistant Professor in Computer Science and MIEC at Maynooth University and an Academic Collaborator at the SFI-funded ADAPT Centre. Before joining Maynooth, he was a CareerFit+ Marie-Curie Research Fellow at Dublin City University.
Dr Kolawole' research interests include Low-Resource NLP especially focusing on advanced language models for under-resourced languages and domains; Multimodal AI Integrating text, images, and audio data to solve complex problems across multiple domains; AI Ethics focusing on ensuring fairness, transparency, and accountability in AI systems; General NLP Applications e.g., Machine Translation, Sentiment Analysis, Social Media Analytics, and Online Safety; Domain-Specific Adaptation of LLMs for specialized fields like Healthcare, Law, and Education.

For this call, Dr. Kolawole is interested in supervising projects that develop innovative multimodal AI methods for healthcare, integrating data such as medical imaging, clinical records, genomics, and longitudinal time-series data to enable robust, interpretable, and clinically deployable decision-support systems. Projects may focus on methodological advances in multimodal learning, handling heterogeneous or incomplete data, vision-language models for clinical applications, and explainable or uncertainty-aware AI, with translational applications in areas such as oncology, neurodegenerative disorders, early disease detection, and precision medicine.

Research keywords: Multimodal AI; medical imaging; clinical decision support; precision medicine; explainable AI; trustworthy AI; vision-language models; time-series analysis; multimodal learning; healthcare data integration; oncology AI; neurodegenerative disease modeling; uncertainty quantification; translational AI in healthcare.

Dr Mansoor Ahmed

Maynooth University

Dr. Mansoor Ahmed is an Assistant Professor in the Department of Computer Science at Maynooth University, Maynooth, Ireland and an internationally recognized researcher in cybersecurity, AI governance, data protection, and blockchain-enabled regulatory compliance. He previously served as Principal Investigator (PI) at the ADAPT Centre / Innovation Value Institute (Maynooth University), leading nationally and EU-funded research on AI ethics, GDPR compliance, and trustworthy digital transformation.

For this call, Dr Ahmed is interested in supervising projects related to:

- AI Act Compliance Engineering & Conformity Assessment Tools,
- Trustworthy & Explainable AI in Healthcare and Public Services,
- Bias Detection & Fairness-Aware AI Systems,
- Privacy-Preserving Machine Learning (Federated Learning, Differential Privacy, Zero- Knowledge Proofs),
- Blockchain-Enabled Data Governance & Secure Provenance,
- Dynamic Consent & Decentralised Identity Management,
- Compliance-by-Design Architectures & Governance Automation,
- Knowledge Graphs for Regulatory Modeling,
- AI Risk Assessment & Accountability Frameworks.

Research keywords: Trustworthy AI, AI Act Compliance, GDPR Operationalisation, Responsible AI, Health Data Spaces (EHDS), Privacy-Preserving Machine Learning, Federated Learning, Differential Privacy, Blockchain for Data Governance, Secure Data Provenance, Dynamic Consent Management, Explainable AI, AI Risk Assessment, Compliance Automation, Knowledge Graphs for Regulation, Digital Health Governance, Cybersecurity & Regulatory Compliance.

Dr Michał Wieczorek

University College Dublin

Dr Michał Wieczorek is an Ad Astra Fellow - Assistant Professor in AI-Driven Educational Innovation in UCD's School of Education. While the title might look tech-forward, he mainly does critical work on educational technologies and the ideas that underlie them. He loves technology but make my living by pointing out that a lot of what we see in education today – especially all the AI stuff – is pretty bad. And as a philosopher with an applied ethics background, He gets a lot of leeway in defining what counts as bad. His work deals with ethics, pedagogies, societal and practical impact and everything else that is less than great about edtech. Hopefully, his research can point out some ways for making educational technology better. Beyond broad themes of philosophy of education and critical edtech studies, he specialises in the philosophy of John Dewey, critical theory and futures studies.

For this call, Dr Michał is looking for projects focusing on the pedagogical and ethical challenges associated with all kinds of educational technology (especially if those projects employ underutilised theories). He is also interested in qualitative research exploring students' and teachers' experiences in digital environments, as well the work involved in the adoption of digital technologies for learning.

Research keywords: Educational technology, philosophy of education, ethics, artificial intelligence in education, futures studies.

Dr Mohammed Hasanuzzaman

Munster Technological University

Dr Mohammed Hasanuzzaman is a Lecturer in Artificial Intelligence at Munster Technological University (MTU), Ireland, and a Funded Investigator at the ADAPT Centre, the world-leading Research Ireland Centre for AI-Driven Digital Content Technology. His research focuses on Trustworthy AI for Healthcare, Causal Machine Learning, and NLP Systems. He has over 14 years of experience in AI and has published more than 60 papers in leading international conferences and journals. He enjoys working closely with students, helping them build strong research skills, publish high-quality work, and grow into independent researchers. Researchers benefit from a supportive research environment at the ADAPT Centre, along with strong international collaborations, working on interdisciplinary and impactful AI projects with real-world applications.

For this call, Dr Hasanuzzaman is looking for interdisciplinary and impactful AI projects with real-world applications.

Research keywords: NLP, LLMs, Trustworthy AI for Healthcare, and Causal Machine Learning.

Dr Muhammad Salman Pathan

Dublin City University

Dr. Muhammad Salman is an Assistant Professor at the School of Computing, Dublin City University (DCU). Dr. Salman completed a PhD in Software Engineering in 2019 from Beijing University of Technology, China, where he was the recipient of a fully funded four-year China Scholarship Council (CSC) scholarship. In 2020, he was awarded the prestigious Marie Sklodowska-Curie COFUND Action fellowship and joined University College Dublin (UCD) as a Research Scientist. From May 2022 to June 2024, Dr. Salman served as a Senior Postdoctoral Researcher and Team Lead on the Environmental Protection Agency (EPA) funded project, Circular Artificial Intelligence (CircAI), at the Department of Computer Science, Maynooth University.

Research Interests: In his recent projects, Dr. Salman has applied his expertise in Machine Learning to a diverse range of domains such as Weather Forecasting, Telecommunications, Digital Health and Sustainability. He has published more than 60 peer-reviewed publications of international standing in top-tier journals and has presented his work at international conferences. More recently, his research has centred on the intersection of Artificial Intelligence and Sustainability, with a particular emphasis on developing AI-driven solutions that support sustainable development and contribute to the United Nations' Sustainable Development Goals (SDGs).

Throughout his career, he has led several key collaborations with industry partners such as Irish Manufacturing Research, Circuleire, and the Innovation Value Institute Maynooth University. He has also served as a reviewer for several leading journals such as IEEE Access, IEEE Transactions on Green Communications, and the International Journal of Communication Systems (Wiley). Additionally, he has acted as a guest editor for special issues, including Applied Machine Learning in Intelligent Systems (Electronics, MDPI), Digital Twin for Future V2X Networks and Intelligent Transportation Services (Frontiers in Communications), and Advances in Medical Imaging: Novel Techniques and Clinical Applications".

For this call, Dr Pathan Around the area of AI for Sustainability – Circular economy solutions using AI, Machine Learning for Smart Agriculture, Digital Healthcare – Medical Imaging, Deep Learning, Sustainable Networks – Green AI, Explainable AI, IoT, Agentic AI

Research keywords: AI, Sustainability, Digital Health Care, Agentic AI, LLMs, Network Security, Explainable AI, Machine Learning, Deep Learning, Explainable AI, Responsible AI, Green AI.

Dr Mark Little

Trinity College Dublin

Dr. Mark Little is Professor of Nephrology in Trinity College Dublin, consultant nephrologist in Tallaght and Beaumont Hospitals and Director of the Trinity Translational Medicine Institute. After graduating from medicine in Trinity he completed his Nephrology training in London in 2006. During this time, he obtained a PhD from Imperial College London, and post-doctoral time spent at Hammersmith Hospital, University of Birmingham and University College London consolidated a translational research programme focused on autoimmunity and systemic vasculitis. His research interests include novel model systems for investigating the pathogenesis of ANCA vasculitis, biomarker development and application of data science techniques to study autoimmunity. He leads the HELICAL, PARADISE and FAIRVASC EU consortia, which seek to apply novel data science and linkage techniques to health data. He has published over 200 peer-reviewed manuscripts and was awarded a President of Ireland Young Researcher Award. He is a co-founder of ERN-RITA, the rare immune disorders European Reference Network, chair of the RITA-Ireland Vasculitis Network and co-founder of UKIVAS, the vasculitis society of UK and Ireland.

For this call, Dr Little is looking for research developing predictive algorithms for autoimmune disease, particularly focused on novel approaches to modelling irregular time series data. Knowledge engineering to combine diverse datasets from international disease registers, using ontological development, knowledge graphs and similar approaches.

Research keywords: Autoimmune disease, ANCA vasculitis, predictive modelling, knowledge graphs, Ontologies

Prof Marco Ruffini

Trinity College Dublin

Marco Ruffini is professor in Optical and Wireless networks at Trinity College Dublin, leading the OpenIreland national research infrastructure lab and the IRIS research group on Network AI and Sensing, which counts 20 researchers, including PhD students, postdocs and research fellows. His research includes intelligent control of optical networks, fibre sensing and quantum communications. He has over 230 publications, 12 patents, standards contribution, and competitive research funding for over €16M. Prof. Ruffini is also deputy editor in chief of the Journal of Optical Communications and Networking from OPTICA

For this call, Prof Ruffini is seeking projects that apply AI techniques to optical networking challenges. Two key areas of interest are: 1) Developing AI-driven solutions for fibre sensing in both terrestrial and subsea environments 2) Exploring data-driven models to support the creation of digital twins for dynamic, reconfigurable optical networks.

Research keywords: Application of AI to: Digital Twin, Optical Networks, Fibre Sensing

Prof Merim Dzaferagic

Trinity College Dublin

Merim Dzaferagic is an Assistant Professor in Computer Science at Trinity College Dublin. His research explores the use of machine learning in wireless communication networks, with a particular focus on the control plane and dynamic network optimization. He is actively working on improving the energy efficiency, performance, and quality of service in Open Radio Access Network (O-RAN) deployments. His recent work includes the development of AI-driven strategies for energy efficiency, intelligent node placement, and cross-domain coordination in future 6G systems. He also investigates the role of agentic AI and foundation models in wireless networks, including applications such as wireless sensing. He is interested in a mix of applied and theoretical research, using the OpenIreland testbed to prototype and evaluate solutions in real-world environments.

For this call, Prof Dzaferagic is interested in projects on

1. Agentic AI for Autonomous Network Management: Projects exploring AI agents with decision-making autonomy capable of adapting to dynamic network conditions, learning from interaction, and coordinating across multiple layers of the network stack.
2. Multi-Agent and Cross-Domain Coordination Frameworks: Research on scalable architectures where multiple AI agents operate across different network domains (RAN, transport, core) to enable synchronized, end-to-end control and optimization in complex, heterogeneous 6G systems.
3. AI for Network Self-Optimization and Self-Healing: Development of closed-loop AI systems that can monitor, predict, and adaptively respond to faults, congestion, or performance degradation, reducing the need for manual intervention and improving overall service resilience.
4. Foundation Models for Communication Networks: Application and adaptation of large-scale foundation models for tasks such as traffic forecasting, anomaly detection, semantic interpretation of network signals, and general-purpose network intelligence.
5. Energy-Efficient AI-Enabled Network Control: Research aimed at integrating AI into energy-saving mechanisms—such as intelligent sleep scheduling, adaptive resource provisioning, and context-aware node placement—without compromising quality of service.

Research keywords: Wireless Communication Networks, AI, Agentic-AI, Network Control

Dr Nils Peters

Trinity College Dublin

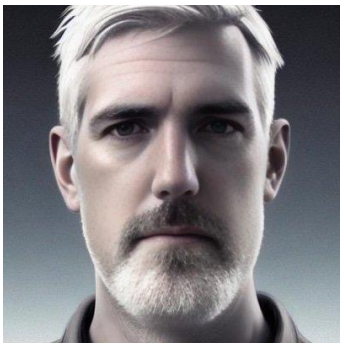
Dr Nils Peters is an Assistant Professor of Acoustics and Audio Signal Processing at Trinity College Dublin, specializing in perceptual audio signal processing, spatial audio systems, and human-computer interaction. Formerly a 3D Audio Research Lead and Engineering Manager at Qualcomm Inc. and an Associate Professor at the International Audio Laboratories Erlangen (a research institute of the Friedrich-Alexander-Universität and Fraunhofer IIS), he brings extensive industry and academic expertise to TDC.

He holds a MSc in Electrical & Audio Engineering from TU-Graz, Austria, a PhD in Music Technology from McGill University and did postdoctoral work at University of California, Berkeley. For the Audio Engineering Society, he serves as the Co-Chair of the Technical Committee for Spatial Audio and is a steering board member of the IEEE Internet of Sounds Emerging Technologies Initiative.

Dr NPeters holds more than 100 granted US patents, has published more than 60 peer-reviewed conference papers and received 3 best paper awards. Journal articles including IEEE Transactions on Broadcasting, IEEE Journal of Internet of Things, Journal of the Audio Engineering Society, Computer Music Journal, and Frontiers in Signal Processing. He contributed to various international audio technology standards at MPEG, 3GPP, ATSC, and the International Telecommunication Union and received the ISO Excellence Award for contributions to MPEG-H 3D Audio.

For this call, Dr Peters is interested in projects related to audio capturing and data processing using distributed microphone arrays for soundfield analysis and volumetric audio synthesis.

Research Keywords: Spatial Audio, XR, Room Acoustics, Machine Listening, Perception, Internet of Things



Dr P.J. Wall

TU Dublin

Dr P.J. Wall is Head of Research & Innovation (Faculty of Business) in Technological University Dublin, and Adjunct Assistant Professor in Trinity College Dublin (TCD).. He has been a member of ADAPT for many years, and has previously held the positions of Research Fellow and Teaching Fellow with the School of Computer Science & Statistics in TCD. Dr Wall holds various visiting Professor and teaching positions including with the University of Manchester (UK) and the Indian Institute of Technology Jodhpur (India). He also teaches and collaborates with various other institutions such as Yale University, Makerere University (Uganda), Addis Ababa University (Ethiopia), World Vision Ireland, Concern Worldwide, and Google.

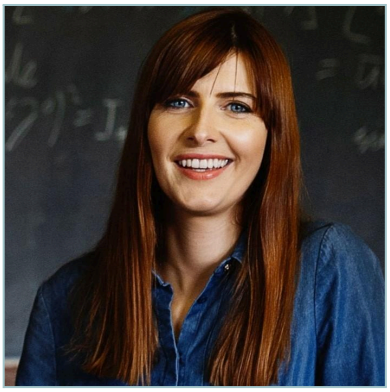
Dr Wall's research is on the use of technology for global development (ICT4D), technology for global sustainability, and AI ethics. He is currently Principal Investigator for two Science Foundation Ireland (SFI) Discover projects studying the ethical use of technology in school students' lives, and a Higher Education Authority (HEA) funded project on sustainability, technology and ethics. In addition, he is a member of the steering committee of the DataEthics group in TCD, and is the Founder and Convener of the "Information, Technology, Ethics, and Global Development" working group with the Development Studies Association of Ireland.

Dr Wall's primary research interests focus on AI and AI ethics – specifically the ethics of leveraging AI and other technologies to address sustainability challenges in different social and cultural contexts in both the Global North and the Global South. Another main focus of Dr Wall's work is digital innovation for healthcare in the Global South and the ethics of using AI and mobile technologies in this context. His PhD work examined mobile and digital health (mHealth) interventions in Sierra Leone, where he explored and theorised the social, cultural, political and ethical aspects of implementing, using and scaling mHealth technologies in low-resource contexts.

For this call, Dr Wall is interested in supervising projects related to the ethical and socio-cultural aspects of the use of AI to reconfigure and innovate. Specifically, he is interested in;

- Leveraging AI to address sustainability challenges in different social and cultural contexts in both the Global North and the Global South.
- Digital innovation for healthcare in the Global South and the ethics of using AI and mobile technologies in this context.
- Digital health (mHealth) interventions in the Global South.
- Work involving the theoretical, social, cultural, political and ethical aspects of implementing, using and scaling mHealth technologies in low-resource contexts

Research keywords: AI, AI ethics, sustainability



Prof Rachel McDonnell

Trinity College Dublin

Prof Rachel McDonnell is a Professor in Creative Technologies at Trinity College Dublin, Ireland. Her research focuses on animation of virtual characters, using perception to both deepen our understanding of how virtual characters are perceived, and directly provide new algorithms and guidelines for industry developers on where to focus their efforts. She has published over 100 papers in conferences and journals in her field, including many top-tier publications at venues such as SIGGRAPH, Eurographics, and IEEE TVCG, etc. She serves as Associate Editor on journals such as ACM Transactions on Applied Perception and Computer Graphics Forum, and is a regular member of many international program committees (including ACM SIGGRAPH and Eurographics).

For this call, Prof McDonnell is interested in projects related to XR, computer graphics, computer animation, embodied conversational agents, perception of virtual humans, motion editing, virtual embodiment, dysmorphic avatars, haptic feedback for embodiment, motion capture datasets, motion analysis, social interactions in VR, locomotion in VR, bio-feedback in VR, eye-tracking or AI motion synthesis.

Research keywords: XR, Motion Capture, Perception, Virtual Humans, Physiological Measures, Machine Learning For Motion Synthesis

Dr Ruairi O'Reilly

Munster Technological University

Dr Ruairí O'Reilly (B.Sc., PhD, SMIEEE) is a Lecturer in Computer Science specialising in generative AI, data-driven decision support, and organisational analytics. His research bridges artificial intelligence with Information Systems, focusing on organisational decision-making, digital transformation, and socio-technical governance. He studies human-centred and responsible AI, including explainability, fairness, trust, and human - AI collaboration. His work explores how organisations can deploy transparent and trustworthy AI to support complex, data-driven expert decision-making.

For this call, Dr O'Reilly is interested in supervising projects related to:

- AI-Driven Workflow Analytics for Organisational and Socio-Technical Systems
- Information-Theoretic Methods for Modelling and Optimising Data-Intensive Processes
- Complex Systems Modelling and Simulation for Organisational Decision Environments
- Explainable, Trustworthy, and Fair AI for Workflow-Based Decision Support
- Distributed and Open-Source AI Frameworks for Scalable Data Analytics

Research keywords: Artificial Intelligence; Explainable AI; Complex Systems; Workflow Analytics; Information Theory; Decision Support Systems; Organisational Analytics; Distributed AI; Human–AI Collaboration; Digital Transformation.

Dr Soumyabrata Dev

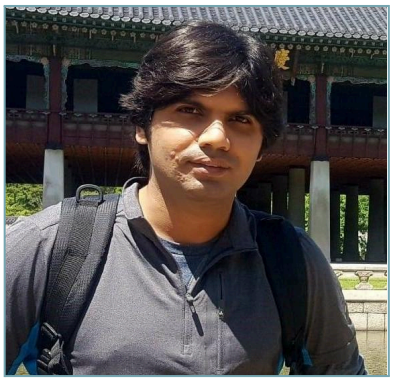
Trinity College Dublin

Dr Soumyabrata Dev is an Associate Professor in the School of Computer Science and Statistics, at Trinity College Dublin. His research interests primarily lie in the area of information systems, environmental informatics, earth observations, and remote sensing.

Dr Dev obtained his Ph.D. from Nanyang Technological University (NTU) Singapore in 2017. From August-December 2015, he was a visiting doctoral student at Audiovisual Communication Laboratory (LCAV), École Polytechnique Fédérale de Lausanne (EPFL), Switzerland. During his Ph.D., he was a team member of Vision & InterAction Group (Vintage), at Advanced Digital Sciences Center (ADSC), the Singapore-based research center of the University of Illinois at Urbana-Champaign.

For this call, Dr Dev is interested in supervising projects in the broad domains of earth observations, remote sensing, and climate change.

Research keywords: Earth Observations, Remote Sensing, Climate Change.



Dr Sunder Ali Khowaja

Dublin City University

Dr Sunder Ali Khowaja is an Assistant Professor at DCU's School of Computing, Faculty of Engineering and Computing. He is an Academic Collaborator within the ADAPT Centre. He completed his undergraduate studies in Telecommunication Engineering (2008) and master's in communication systems and networks (2014) at Mehran University of Engineering and Technology, Pakistan. He completed his Ph.D. in Industrial and Information Systems Engineering (2019) from Hankuk University of Foreign Studies, Republic of Korea. He was a postdoctoral research fellow (2021) at Department of Mechatronics Engineering, Tech University of Korea. Dr. Khowaja has been involved in teaching and academics since 2011. Dr. Khowaja served as Lecturer, Assistant Professor, and Associate Professor from 2011 – 2023 at University of Sindh, Pakistan. Dr. Khowaja was with TU Dublin, Ireland from 2023 – 2024 and joined DCU in 2025.

His research lies at the juncture between deep learning, computer vision, and Trustworthy AI, especially in the context of healthcare, generative AI, Communication Systems, and Agentic AI. His recent research focuses on the design and implementation of model inversion, model poisoning, and membership inference attack methods along with their defense mechanisms. Dr. Khowaja's research work also focuses on the development of Agentic AI-based methods for applications in healthcare and communication systems.

Dr Sunder Ali Khowaja is also the recipient of First Runner-up and Second runner-up at CVPR's UG2+ Atmospheric Turbulence Mitigation Challenge from 2022 – 2023. Dr Khowaja has also achieved top ten positions in several NTIRE image restoration challenges held at CVPR from 2022 – 2024.

For this call, Dr. Khowaja is interested in research projects around the area of Trustworthy AI, Privacy Preservation Machine Learning For Model Security, Agentic AI, And Image Enhancement.

Research Keywords: Agentic AI for Healthcare Systems, Auditable AI, Provenance and Traceability in Foundational Models, Privacy Preservation Machine Learning (Model Inversion and Poisoning Attacks).

Dr Tai Tan Mai

Dublin City University

Dr. Tai Tan Mai is an Assistant Professor at Dublin City University (DCU) and an Academic Collaborator with the ADAPT Research Centre. He obtained his PhD in Computer Science at Dublin City University (2022), with an Irish Research Council Postgraduate Governmental Research Fellowship. His thesis developed novel approaches that integrate correlation networks, random matrix theory, and temporal modelling to detect structural changes in high-dimensional event-log and time-series data for learner behavioural analytics. Before his time in Ireland, Tai was a university lecturer as well as an experienced Developer & IT Consultant with years of experience in the information technology and services industry.

His current research sits at the intersection of Agentic AI, Learning Analytics/EdTech, Complex Behavioural Modelling, Business Process Management and Process Mining, with a particular focus on intelligent complex systems that transform multimodal behavioural data into actionable insights.

For this call, Dr. Mai is interested in Multimodal learning analytics, AI-driven personalised learning systems, Retrieval-augmented and agentic AI architectures, Graph-based and network modelling of complex systems, Human-centred and trustworthy AI, Process Mining

Dr. Mai welcomes MSCA-PF proposals, and he can provide a supportive and structured research environment combining strong theoretical foundations with real-world applications, access to ADAPT's interdisciplinary ecosystem, and opportunities for collaboration. His supervision approach emphasises methodological rigour, publication strategy targeting top-tier venues, and structured career development aligned with Horizon Europe excellence criteria.

Research Keywords: Learning Analytics/EdTech, Agentic AI, Complex Behavioural Modelling, Graph-based Modelling, Business Process Management and Process Mining.

Dr Vicent Briva-Iglesias

Dublin City University

Dr Vicent Briva-Iglesias is Assistant Professor in Translation Studies at the School of Applied Languages and Intercultural Studies at Dublin City University. Prior to this, he completed a PhD on human-centered machine translation and human-computer interaction at DCU, an M.Sc. (Hons.) in Translation Technology at Universitat Autònoma de Barcelona (Spain), and a BA (Hons.) in Translation and Interpreting at Universitat Jaume I (Spain). Vicent's research areas are as follows: State-of-the-art language technologies: machine translation, natural language processing, and human-centered artificial intelligence. Vicent is also interested in human-computer interaction (HCI) perspectives of language technologies: user experience, usability, user-MT interaction, and human-centered language technologies. Finally, from translation studies: at the intersection of language technologies and localisation, translation ethics, and specialized translation and interpreting (specifically in the legal and medical domains).

Vicent is a member of ADAPT, the Research Ireland Centre for AI-Driven Digital Content Technology, and has been funded by D-REAL, the Research Ireland Centre for Digitally-Enhanced Reality and the EU COST Action CA19102 - Language in the Human-Machine Era. In addition to his role at DCU, Vicent is Adjunct Professor at McGill University (Canada) and the Universitat Oberta de Catalunya (Spain), and frequently collaborates with the Barcelona Supercomputing Center as an external researcher of AI for healthcare. Vicent also has a strong industry background: he has been working in the translation, interpreting, and localisation industry for +8 years, and runs AWORDZ Language Engineering, a small language services provider.

For this call, Vicent is interested in research projects related to human-centered, augmented machine translation (HCAMT), the use of language technologies by any type of user (beyond professional translators and specially in healthcare; e.g. doctors, migrants, asylum seekers, academics, etc.); Language technologies in public services; Human-computer interaction perspectives of translation and interpreting; Localisation, the language services industry or Legal and financial translation.

Research keywords: Human-Centered AI; Language Technology; Large Language Models; Machine Translation; Human-Computer Interaction; Translation Technology

Dr Viet Quoc Pham

Trinity College Dublin

Viet Quoc Pham is currently an Assistant Professor in Networks and Distributed Systems at the School of Computer Science and Statistics, Trinity College Dublin, Ireland. He earned his BSc and PhD degrees (with the Best PhD Dissertation Award) in Telecommunications Engineering from Hanoi University of Science and Technology and Inje University in 2013 and 2017, respectively.

His current research focuses on network AI, decentralised machine learning/unlearning, data privacy in distributed systems. He was a recipient of the Golden Globe Award in Science and Technology for Vietnam's Young Researchers in 2021, IEEE ATC Best Paper Award in 2022, IEEE MCE Best Paper Award in 2023, and IEEE M-COMSTD Exemplary Editor Award in 2024. He was honored with the IEEE ComSoc Best Young Researcher Award for EMEA 2023 and the Web-of-Science Highly Cited Researcher Award 2024 in recognition of his research excellence and broad influence.

He currently serves as an Editor of top-tier journals, including IEEE Communications Letters, IEEE Communications Standards Magazine, IEEE Communications Surveys & Tutorials, Journal of Network and Computer Applications, IEEE Transactions on Mobile Computing, and IEEE Transactions on Network Science and Engineering.

For this call, Dr Pham is particularly interested in interdisciplinary projects in the area of network AI (e.g. AI-native 6G and quantum AI for 6G optimisation) and data privacy (e.g., federated machine unlearning and world models in federated learning/unlearning).

Research keywords: 6G, federated learning, machine unlearning, quantum AI, data privacy, edge intelligence, wireless AI, network AI.

Prof Yvette Graham

Trinity College Dublin

Prof Yvette Graham is an Associate Professor in Artificial Intelligence at Trinity College Dublin, where she is a leading figure in Natural Language Processing (NLP) and AI research. With over two decades of experience advancing the field, Prof Graham's work spans machine translation, efficient dialogue systems, sentiment analysis, video captioning, and lifelog information retrieval — blending theoretical insight with practical innovation.

Prof Graham plays a pivotal role in academic leadership at Trinity, serving as Course Director of the Integrated Computer Science Degree and as the Digital Content Transformation Strand Lead within the SFI-funded ADAPT Centre — Ireland's flagship hub for language technology research and innovation. Her commitment to excellence in education and research mentoring is matched by her deep engagement with the global AI community.

An influential voice in international research forums, she has served at all levels of program committees for top conferences including ACL, NAACL, EACL, and EMNLP, and has been recognised with a Best Paper Award at the Annual Conference of the Association for Computational Linguistics. Her work on evaluation methodologies has reshaped how NLP systems are assessed, uncovering biases and setting new standards adopted by leading evaluations such as the Conference on Machine Translation (WMT) and TRECVID.

Prof Graham has authored 100+ peer-reviewed publications in premier scientific venues and her research continues to push the boundaries of how intelligent systems understand and generate human language. Driven by a passion for rigorous science and inclusive academic culture, she also contributes to equality, diversity, and inclusion efforts within her school.

For this call, Prof Graham is looking for projects in evaluation in NLP, ethics of NLP and AI, efficiency in NLP.

Research keywords: NLP, evaluation, ethics, AI, LLM, efficiency.