MSCA Postdoctoral Fellowships 2025

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 Human Centred AI, e-Health, Blockchain, Disinformation, Cybersecurity, Natural Language Processing, Large Language Models, Data Analytics, Artificial Intelligence, Machine Learning, Human Computer Interaction, Linguistics, Generative AI, Data Governance, Ethics, Edge Computing, geoAI, Knowledge & Data Engineering, Health Informatics, Digital Humanities, Information Retrieval, Privacy, Network Security, Speech, Semantic Web Technologies, eXtended Reality, Personalisation, Computer Graphics, Standardisation and Deep learning.

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 €50 million in non-exchequer non-commercial funding. Additionally, 22 spinout companies have been formed. ADAPT's researchers have produced over 2587 journal and conference publications and nearly 100 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	1 April 2025
Submission of EoIs to ADAPT	Between 1 April - 31 May 2025
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 early June 2025.
Working sessions and support from ADAPT in proposal development	June - July 2025
Submission of full draft proposal to ADAPT	1 August 2025
MSCA PF submission deadline	10 September 2025

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 range of €75k for Irish 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

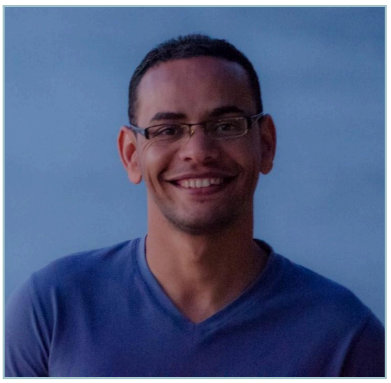
- research, training and networking activities
- management and indirect costs

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 Abdelsalam Busalim

TU Dublin

Dr Abdelsalam Busalim is an expert in social commerce technologies, specializing in their transformative impact on businesses and consumers. His research interests span sustainable information systems, exploring how technology can be harnessed for environmentally conscious practices, including sustainable consumption behavior in areas such as EV charging and fashion. Dr Abdelsalam teaches AI Ethics in the Human-centered AI master's program at the School of Enterprise Computing and Digital Transformation, TU Dublin. Dr Busalim is an academic collaborator at ADAPT.

For this call, Dr Busalim is looking for projects in the area of voice commerce in social platforms, personalized AI-driven recommendations in social commerce, applications of AR/VR Try-Ons in social commerce, and social commerce for social good.

Research keywords: Social Commerce, Voice Assistance Applications, AR Commerce, Community Commerce, AI For Social Commerce, Machine Learning, Deep Learning. EV Charging consumption, Sustainable consumption

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 hyper-spectral and 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 in chemical imaging histopathology and spectral liquid biopsy.

For this call, Dr Meade is interested in research projects in explainable AI for clinical decision support systems with high content imaging, multi-modal clinical datasets, and in digital pathology.

For this call, Dr Meade is interested in research projects in explainable AI for clinical decision support systems with high content imaging and multi-modal clinical datasets, and in digital pathology.

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

Prof Ashish Kumar Jha

Trinity College Dublin

Ashish Kumar Jha is an Associate 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 a co-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 businesses can manage AI processes and their impact. These could be experiment designs or secondary data analysis using econometric techniques. I am open to Misinformation/Fake news projects as well.

Research Keywords: Misinformation, AI and Business, Technology Management

Prof Benjamin Cowan

University College Dublin

Benjamin Cowan is Professor of Human-Computer Interaction and Conversational Informatics at UCD's School of Information & Communication Studies. He is a Co-PI within the ADAPT Centre, taking on the roles of Interaction & Control Research Challenge lead and NENC lead within the Digital Engagement Strand. He completed his undergraduate studies in Psychology & Business Studies (2006) as well as his PhD in Usability Engineering (2011) at the University of Edinburgh. His research lies at the juncture between psychology, human-computer interaction and collaborative AIin investigating how design impacts aspects of user behaviour in social, collaborative and communicative AI interactions. His recent research has focused specifically on how theory and quantitative methods from psychological science can be applied to understand and design more human-centred conversational AI interactions. Prof. Cowan is the co-founder and co-director of the HCI@UCD group, one of the largest HCI groups in Ireland, and the ACM Conversational User Interfaces conference series. He is also co-founderof the MSc in Human-Computer Interaction at UCD. He has received numerous awards including ACM CHI Best Paper (2021, 2024) and Honorable Mention awards (2021, 2023) for his work as well as being recently inaugurated as an ACM Distinguished Speaker on conversational AI.

For this call, Dr Cowan is interested in research projects around the area collaborative and multiparty AI interactions, human-machine dialogue and evaluation of human-AI interactions

Research keywords: Conversational AI, Conversational User Interfaces, Speech Interfaces, Spoken Dialogue Systems, Perspective Taking, Evaluation and Metrics, Cognitive Psychology, Experimental Psychology, Psycholinguistics

Dr Bilal Yousuf

TU Dublin

Bilal Yousuf is a lecturer and AI Researcher at Technological University Dublin, where he is the lead of the Data Analytics & Optimization strand of the Centre for Sustainable Business Technology & Digital Innovation (CSBTDI). He also leads the Explainable Analytics Group based out of the university, which focuses on Explainable AI in the fields of health, learning and disinformation research. Bilal completed his undergraduate studies in Computer Engineering, his MSc. in Electronic Commerce, and his Ph.D. in Personalized Visual Narratives in 2016 at Dublin University, Trinity College Dublin. Before his Ph.D., he worked as a Systems architect consultant across several client sites while employed by Accenture.

Bilal's research interests lie in Personalization, AI, Learning Analytics and Open User Modelling. Before his current appointment, Bilal had contributed as technical lead to several EU and SFI funded projects in eHealth, eLearning, and Social Media Analytics.

For this call, Dr Yousuf is looking to supervise projects that apply explainable artificial intelligence (XAI) across several domains including eHealth and learning environments.

Research keywords: Explainable Artificial Intelligence (XAI), Personalisation, Visualisation, healthcare

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.

Prof Boualem Benatallah

Dublin City University

Prof. Boualem Benatallah is a full professor of computing at Dublin City University (DCU, Ireland) since Jan 2022. Professor Benatallah has had over 21 years as a senior lecturer, associate professor, professor and then scientia professor at UNSW Sydney (Australia) before joining DCU. His main research interests are developing fundamental concepts and techniques in service Web composition, Web services midleware, quality control in crowd sourcing services, conversational cognitive services, and business processes automation. He has published more than 300 refereed papers including more than 90 journal papers. His work is highly cited (over 23,000 citations, h-Index: 66, according to Google School). He is a member of the steering committee of BPM and ICSOC conferences. He is member of the editorial board of numerous international journals including ACM Transactions on Web and IEEE transactions on services computing. He is a fellow of the IEEE.

For this call, Prof Benatallah is looking for project in the areas of Integration of LLMs and Tools or Bias in LLMs

Research keywords: testing Bias in LLMs, Integrating LLMs and APIs

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.

Prof Cornelius Fritz

Trinity College Dublin

Cornelius Fritz is an assistant professor at the School for Computer Science and Statistics at Trinity College Dublin. Before this, he was a postdoctoral researcher at Penn State, working with Michael Schweinberger and David Hunter on joint models for networks and attributes under local dependence. He completed his Ph.D. in statistics under the supervision of Göran Kauermann at LMU Munich.

Surrounded by smart devices that collect interpersonal data, Cornelius Fritz's research explores novel ways of measuring and understanding social behavior through digital trace data. The gathered data offers a planetary-scale view of online interpersonal relations, enabling a more nuanced investigation of biases in information diffusion, polarization, and echo chamber effects. Therefore, novel network models that handle large network sizes and additional information, such as fine-grained temporal information for email traffic, are in need. To meet this challenge, Cornelius develops cutting-edge optimization algorithms tailored to models for large-scale networks. Efficient implementations are provided as software packages. Thereby, his work uses statistics to learn from such network data to answer questions posed within the social sciences in uncertain and changing environments.

His research is often motivated by collaborations with social scientists who present both data and questions related to networks. As a statistician, he operates in two distinct domains: the real world, which includes observed data with inherent imperfections and subject-specific knowledge, and the model world, a stochastic representation of the real world. Cornelius develops innovative data analysis techniques by merging statistical and machine learning methods with substantive theory to bridge the gap between the real and model worlds.

For this call, Prof Fritz is looking for projects that involve the analysis of digital trace data, which gives rise to large network data. Focus should lie on proposing models informed by the subject matter, accompanied by tailored optimization algorithms to estimate the model efficiently.

Research keywords: Large-Scale Network Data, Network Models, Scalable Optimization, Event Data Analysis, Computational Social Science

Prof Dave Lewis

Trinity College Dublin

Prof Dave Lewis is an Associate Professor at the School of Computer Science and Statistics at Trinity College Dublin where he has served as the head of its Artificial Intelligence Discipline and Director of Ireland's ADAPT Centre for human centric AI and digital content technology research. He investigates open semantic models for trustworthy AI and data governance and contributes to international standards in digital content processing and trustworthy AI.

His research focuses on the use of open semantic models to manage the Data Protection and Data Ethics issues associated with digital content processing. He has led the development of international standards in AI-based linguistic processing of digital content at the W3C and OASIS and contributes to international standardisation of Trustworthy AI at ISO/IEC JTC1/SC42 and CEN/CENELEC JTC21.

For this call, Prof Dave Lewis is looking for projects related to AI regulation and compliance, especially in relation to the EU AI Act, regulatory learning, FAIR information sharing and open knowledge graphs to accelerate regulatory learning, liability related to AI, AI and data governance, public procurement of AI and AI risk management.

Research keywords: Trustworthy AI, EU AI Act, Data Governance, Knowledge Graphs, Semantic Web, AI Risk, Regulatory Learning/Sandboxes

Dr Damon Berry

TU Dublin

Dr. Damon Berry is a lecturer in computing and senior researcher at the School of Electrical & Electronic Engineering at TU Dublin. Dr. Berry's research is in the general area of smart healthy spaces and ehealth.

Damon is a funded investigator in ADVANCE CRT and the ADAPT Centre, and the Director of the tPOT Research Centre at TU Dublin. His ongoing work is in the area of smart age-friendly environments and e-health and uses Internet of Things (IoT) technologies and informatics to promote healthy independent living, create accessible shared public spaces and to improve the quality of environmental information.

Dr. Berry's involvement in European projects like EU-SHAFE and Hands-on SHAFE has helped to develop policies and improve digital skills for age-friendly environments. He also contributes to e-health standards development and has participated in various national and international committees.

Damon leads the STEM Ensemble volunteer group made up from staff as well as current and former researchers at TU Dublin. This group promotes STEM through engaging EPE activities such as the Grangegorman Alien Mystery and participation in Dublin Maker and other festivals. His work with organizations such as HSE, HIQA, and the Grangegorman Development Authority supports society as whole and the broad research community.

For this call, Dr Berry is interested in supporting projects in the areas of 1) Accessible demonstrators to prompt dialogue with the public about the current and future role of AI in society, 2) application of IOT and physical web to create interactive and healthy outdoor public spaces, 3) Improving data quality of Earth system sciences data to maximise its reusability.

Research keywords: Informatics, Internet of Things, Physical Web, AI Literacy, Digital Literacy, Data Quality, Earth Systems Sciences.

Dr Dympna O’Sullivan

TU Dublin

Dr Dympna O'Sullivan is the Academic Lead of the Digital Futures Research Hub at TU Dublin, an interdisciplinary research hub that explores how to study, create and apply digital technologies with positive impacts for individuals, society, the economy, and environment. The hub hosts 30 faculty and 110 PhD students researching topics across machine learning, cyber security and human computer interaction. at TU Dublin. Her research is in Health Informatics and focuses on the development of computing solutions for clinical and patient decision support, leveraging machine learning, explainable AI, and sensor-based technologies. She is a strong advocate for patient and public involvement (PPI) in research, she ensures the co-design of AI-driven assistive technologies that empower users, particularly persons living with physical and cognitive impairments

For this call, Dr Dympna O'Sullivan is looking for projects in any area of human-centered AI applied to medicine, for example clinical decision support systems, , assistive technology and Explainable AI.

Research keywords: Health Informatics, Clinical Decision Support Systems, Patient Generated Health Data, Assistive Technology for Independent Living, Responsible AI, Human-Centered AI Design, Explainable AI

Dr Eileen Culloty

Dublin City University

Eileen Culloty is an Assistant Professor in the School of Communications and deputy director of the DCU Institute for Media, Democracy, and Society. Her research interests concern disinformation, media literacy education, and public media. Her book, co-authored with Jane Suiter, Disinformation and Manipulation in Digital Media (2021) was published by Routledge.

Eileen coordinates the Ireland Hub of the European Digital Media Observatory and is co-chair of Media Literacy Ireland, the national association of media literacy facilitated by Coimisiún na Meán. She is an invited member of the Research, Evidence and Evaluation Working Group of Ofcom's 'Making Sense of Media' (MSOM) programme and was a member of the working-group developing the National Counter Disinformation Strategy. Eileen's research has been published in Journalism, European Journal of Communication, Environmental Communication, Digital Journalism, and Critical Studies on Terrorism.

For this call, Eileen is looking for projects related to the public good aspects of media and technology including the impact of disinformation and its countermeasures, public interest news and media, public understanding of media and technology including AI (media literacy), and regulatory and policy responses to changes in the media environment.

Research keywords: Media Literacy; AI Literacy; Disinformation; Manipulation; Public Media; Public-Interest Media

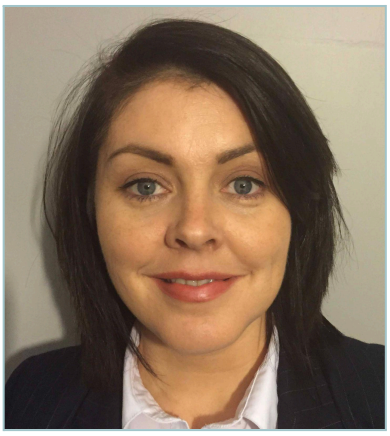
Dr Emma Murphy

TU Dublin

Dr Emma Murphy is a lecturer and researcher in the School of Computer Science at TU Dublin. Emma has significant experience in the design and evaluation of user interaction techniques for older adults and people with disabilities and has published extensively in this area. She leads research and supervises PhD students in the areas of participatory design of user interfaces with people with intellectual disabilities and older adults, inclusive co-design methodologies, accessible health data representations, gender bias and healthcare and accessible and trustworthy XAI. A key aspect of her research is the continuous involvement of end users, particularly those who experience bias and exclusion from technical systems and research processes.

For this call, Emma is looking for projects in the area of Participatory Design, Digital Health, Accessibility For Older People and People with Disabilities, Ethical and Responsible AI

Research keywords: Inclusive Co-Design, Digital Accessibility, Assistive Technologies, Ethical and Responsible AI Design, Multimodal Interfaces, Participatory Design, Digital Health & Ageing



Dr Irene Murtagh

TU Dublin

Dr Irene Murtagh is a Lecturer and Principal Investigator at the Department of Informatics and Cyber Security, TU Dublin. Dr Murtagh holds a BSc. (Hons) in Computing (TU Dublin), an MPhil. in Speech and Language Processing (Trinity College Dublin) and a PhD in Computational Linguistics (Trinity College Dublin). She is a Funded Investigator in ADAPT, the Research Ireland Centre for AI-Driven Digital Content Technology and is also a Principal Investigator in the Research Ireland Centre for Research Training in Digitally-Enhanced Reality (D-REAL).

Dr Murtagh's primary research interests are centred around computational linguistics and natural language processing, incorporating both traditional and neural approaches. In particular sign language modelling and processing, sign language machine translation (recognition and synthesis), sign language computational annotation and linking the divide between the sign language lexicon interface and a sign language avatar. Her research lies at the juncture between artificial intelligence and cognitive technology with an approach of FATE (Fairness, Accountability, Transparency and Ethics) at its core. Dr Murtagh is a co-founder and current member of the Irish Deaf Research Network. She worked as a PI on the multi award winning EU SignON project (2021-2024), which aimed to bridge the communication gap between Deaf, hard-of-hearing and hearing people through the development of an accessible translation service. She is currently TU Dublin PI on the EU Erasmus+ project: Visual Interactive System for Teaching and Assessment of Sign Languages (VISTA SL) (2025-2028). She is also currently a PI on a new Accelerating Research to Commercialisation project as part of the recently launched Research Ireland ARC Hub at TU Dublin (2025-2027).
For this call, Dr Murtagh is interested in NLP projects relating to Sign Language (SL) using traditional and neural approaches, SL Machine Translation, SL Recognition, SL Processing, SL Synthesis, SL Annotation.

Research keywords: Natural Language Processing, Computational Linguistics, Sign Language Machine Translation, Sign Language Recognition, Sign Language Processing, Sign Language Synthesis, Sign Language Annotation, Deep Learning, Computer Vision.

Dr Haithem Afli

Munster Technological University

Dr Haithem Afli is a leading expert in Natural Language Processing and applied Artificial Intelligence in Healthcare, Life-science, and Fintech. Dr Afli is lecturing AI within the Computer Science Department of Munster Technological University (MTU) in Ireland and leading the MTU Human Centred AI Research Group, HAI. Dr Haithem Afli is Science Foundation Ireland funded investigator at ADAPT Centre where he is a member of the ADAPT Executive Management Committee, representing MTU. His research interest is primarily focused in the areas of Machine Translation, Sentiment Analysis, Natural Language Processing and Machine Learning. Dr Afli is a senior IEEE member serving as Editor, Program Chair, Program Committee Member and advisor in many international research conferences and journals. As an academic researcher, Dr Afli is keen to commercialise his research with industry partnerships and is actively involved in managing academia-industry partnership projects including co-founding LinguAnalysis.ai.

For this call, Dr Haithem Afli is looking for projects in the area Low-Resource Language Machine Translation, Multimodal AI for Translation & Accessibility AI for Healthcare & Bioinformatics, Trustworthy AI & Bias Detection, NLP for Political Discourse & Misinformation, Federated & Distributed Learning for Privacy-Preserving AI, Generative AI for Domain-Specific Applications, AI for Migration & Social Impact Forecasting, AI for Financial & Legal Document Analysis, On-Device & Edge AI for Real-Time Processing.

Research keywords: Low-Resource NLP, Multimodal AI for Language & Accessibility, AI-Driven Healthcare & Bioinformatics, Trustworthy & Explainable AI, NLP for Political Discourse & Misinformation, Federated & Privacy-Preserving Machine Learning, Generative AI for Specialised Domains,AI for Migration & Social Impact Analysis, AI for Financial & Legal Document Processing, Edge AI & Low-Latency Machine Learning

Dr Harshvardhan Pandit

Dublin City University

Dr Harshvardhan Pandit is an Assistant Professor at the School of Computing in Dublin City University. His research interests are focused on the application of semantics towards solving real-world challenges associated with privacy, legal and regulatory compliance associated with AI, Personal Data, and consent. His PhD (Computer Science, Trinity College Dublin) explored the application of linked data and semantic web technologies towards GDPR compliance, with a particular focus on consent and provenance. He currently co-chairs the W3C Data Privacy Vocabularies and Controls Community Group (DPVCG) – which develops interoperable vocabularies for privacy and data protection activities based on legal and practical requirements. He is a member of the National Standards Authority of Ireland and contributes to ISO and EU standardisation activities regarding privacy, information security and AI.

For this call, Dr Harshvardhan Pandit is looking for projects in the following areas Privacy Engineering, Legal compliance for GDPR, AI Act or Semantics, RegTech

Research keywords: Legal Compliance, Privacy, Semantics, Consent, AI Act, GDPR

Prof James O'Higgins Norman

Dublin City University

Professor James O'Higgins Norman is UNESCO Chair on Bullying and Cyberbullying and a Professor of Sociology at DCU Institute of Education. James leads DCU Anti-Bullying Centre, a University designated research centre which investigates bullying and online safety in educational and organisational contexts. His research on bullying and online safety has been funded by the European Commission, the Government of Ireland, the Irish Research Council, Enterprise Ireland, Rethink Ireland and several industry based foundations including Vodafone Foundation Ireland, Meta, and the Equinix Foundation.

As a Clinical Sociologist, James is committed to the application of theory and research to real world challenges. He has held several positions of responsibility related to bullying and online safety including as a Chair of UNESCO's International Scientific Committee on Bullying and Cyberbullying, the World Anti-Bullying Forum, the Ministerial Steering Committee on School Bullying, the National Advisory Council on Online Safety, and previously on the NCCA Sub-Committee on Intercultural Education for Primary Schools. He has presented his research at the OECD, the UN, WHO, the EU, and USAID.

He is a founding Editor-in-Chief of the International Journal of Bullying Prevention (Springer) and has been published in several highly ranked journals including the British Journal of Educational Psychology, Journal of Feminist Media Studies, and the Journal of Environmental Research and Public Health. He is co-editor of the Wiley-Blackwell Handbook on Bullying.

For this call, James is interested in projects related to bullying in schools, the workplace or online

Research keywords: Bullying, Cyberbullying, Online Safety

Prof John Kelleher

Trinity College Dublin

Professor Kelleher is a Chair of Computer Science at Trinity College Dublin and the Director of the ADAPT Research Centre. Professor Kelleher's core research expertise is in machine/deep learning. His research group carries out research in a number of areas, including: natural language processing/machine translation, improving the efficiency (computational/energy/data) of AI systems, agent-based modelling, and precision medicine.

For this call, Prof Kelleher is primarily interested in projects in two domains:

1. AI for Health, particularly for stroke and cardiovascular disease;
2. Research on Large Language Models - understanding and improving the representations (embeddings) these models use; controllable generation and non-autoregressive generation; adaptive computation/inference scaling; and efficiency (both data and energy) in large language model training and inference.

Research keywords: Clinical Decision Support Systems, Stroke, Longitudinal Data, Digital Twins, Large Language Models, Embeddings, Controllable Generation, Sustainability of AI, Low Resource Languages, Machine Translation, Adaptive Computation, Inference Scaling.

Prof Joss Moorkens

Dublin City University

Joss Moorkens is an Associate Professor at the School of Applied Language and Intercultural Studies in Dublin City University (DCU), Science Lead at the ADAPT Centre for AI-Driven Digital Content Technology, and member of DCU's Institute of Ethics and Centre for Translation and Textual Studies.

His research interests are in interaction with and evaluation of translation technologies and multilingual AI, looking at related ethical and societal issues. He is General Co Editor of the journal Translation Spaces, coeditor of a number of books and journal special issues, and coauthor of the textbooks Translation Tools and Technologies (Routledge 2023) and Automating Translation (Routledge 2025). He sits on the board of the European Masters in Translation Network.

For this call, Dr Moorkens is interested in research projects in the area of translational, ethical and human-centered issues in multilingual AI and postdigital collaboration with multilingual AI.

Research keywords: Multilingual AI, Translation Technology, Translation Ethics, Multilingual Text Generation, Machine Translation, Translation Quality Evaluation, Translator Precarity, Translation Automation.

Dr Kapal Dev

Munster Technological University

Dr Kapal Dev is an Assistant Professor at the Department of Computer Science, Munster Technological University (MTU). Previously, he held Postdoctoral positions at MTU and Trinity College Dublin (TCD). Dr Dev has worked as 5G Junior Consultant and Engineer at Altran Italia S.p.A, Milan, Italy on 5G use cases, OCEANS Network as Head of Projects. He was awarded the PhD degree by Politecnico di Milano, Italy in 2019 under the prestigious fellowship of Erasmus Mundus. He holds multiple awards in recognition of his expertise from IEEE, CONNECT Centre and IRC. He is recognized with numerous awards, including the IEEE ComSoc EMEA Outstanding Young Researcher (2022) and the Tom Brazil Excellence in Research Award (2023). He is among the top 45 scientists elected to the Global Young Academy (GYA) 2024

Dr Dev has a strong track record in Horizon Europe with over 2 million awarded in funding under Horizon Europe. He is an Academic Collaborator with the ADAPT Centre and Funded Investigator at CONNECT. He is serving as Working Group Member of two COST Actions titled Behavioral Next Generation in Wireless Networks for Cyber Security and Physical layer security for trustworthy and resilient 6G systems. He is a member of P1954: Standard for Self-Organizing Spectrum-Agile Unmanned Aerial Vehicles Communications and is founding chair of IEEE ComSoc special interest group titled as “Industrial Communication Networks” under CSIM technical committee.

He holds multiple Editorial roles in IEEE Consumer Electronics Magazine, NATURE, Scientific Reports, Springer Wireless Networks, IET Quantum Communication, IET Networks, Springer Human-centric Computing and Information Sciences, Area Editor in Elsevier Physical Communication, Technical Committee Member in Elsevier COMCOM, Board member of IEEE Future Directions Newsletter.

Dr Dev has published over 70 plus research papers majorly in top IEEE Transactions, Magazines, and Conferences. He is an expert external evaluator of the most prestigious European Research Council (ERC) starting grant, several MSCA Co-Fund schemes, Elsevier, IET, Springer Book proposals and top scientific journals and conferences. He is a Senior member of the IEEE, and professional member of ACM.

For this call, Dr Kapal Dev is particularly interested in interdisciplinary projects in the area of Industry 5.0, 6G Networks, Data and model Security, Large Language Models (LLMs) targeting SDG goals.

Research keywords: AI Models Security, Wireless-AI, Distributed Federated Learning, Human Centric Industry 5.0, LLMs Security, Generative AI, and misinformation, Reliable AI, Private 5G for Industry 5.0, Explainable AI, Edge Intelligence

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 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 particularly interested in projects that leverage Multimodal and Vision Large Language Models (LLMs) to address critical issues in healthcare, mental health, and under-resourced domains.

Research keywords: Applications of Large Language Models in Low-Resource Languages and Domains; NLP for Low-Resource Domains (e.g., Mental Health, Clinical Psychology); Disease Prediction/Detection; AI for Computational Biology and Health; Human-Centered AI; AI Ethics, AI Transparency, AI for Social Good

Dr Madeleine Steeds

University College Dublin

Dr. Madeleine Steeds is an assistant professor in Information and Communication studies. Their research interests lie at the intersection of human-computer interaction and cognitive and social psychology. They are particularly interested in how stereotypes held about devices and people may influence interaction, and in these cases, how the potential harm may be mitigated. They are also particularly interested in the effects of technology on human memory, and how interacting with technology may help or harm these processes. Madeleine's research further considers how social identity traits are applied to technology and AI systems, as well as how human's present their identities in online spaces.

For this call, Dr Steeds is interested in supervising projects investigating the effects of AI systems on human memory and other cognitive functions.

Research keywords: Cognition, Memory, Attention, Information Processing, Psychology, Voice Assistants, Intelligent Personal Assistants, Chatbots, Human-Computer Interaction, Cognitive Augmentation, Conversational User Interfaces

Dr Malika Bendechache

University of Galway

Dr Malika Bendechache is a Lecturer Above the bar at the University of Galway (UoG) and SF Funded Investigator at the ADAPT centre. She is also Co-leader of the Value & Risk Challenge under the Transparent Digital Governance (TDG) strand in the ADAPT centre.
Previously, Malika has held the position of Assistant Professor in the School of Computing at Dublin City University (DCU). Prior to that she was Post-Doctoral Researcher at the Irish Institute of Digital Business (IIDB, dotLab), School of Business, DCU. She was part of the RECAP Horizon 2020 project that focused on developing the next generation of Cloud/Edge/Fog Computing through Optimisation, Automation and Simulation. She also occupied the position of Post-Doctoral Researcher at the CONSUS research centre, School of Computer Science, University College Dublin (UCD) in collaboration with Origin Enterprises PLC where she worked the application of Statistical Analysis, Machine Learning & Data Mining techniques on real agriculture sensor data to improve sustainable crop production and management techniques. Malika obtained her Ph.D. in Computer Science at Insight Centre for Data Analytics, UCD.

Malika's background is in Big data Analytics, Machine Learning, Data & AI Governance . She designs novel Big Data Analytics and Machine Learning techniques to enhance the capability and efficiency of complex systems, and also leverages complex systems to improve the effectiveness, privacy and trustworthiness of Analytics/Machine Learning techniques.

For this call, Dr Malika Bendechache is interested in projects with a focus on Application of AI to Healthcare, Trustworthy AI, Data and AI Governance

Research keywords: Application of AI to Healthcare, Trustworthy AI, Data and AI Governance

Dr Marguerite Barry

University College Dublin

Dr Marguerite Barry is Associate Professor and Head of School at the School of Information & Communication Studies in University College Dublin. She is a funded investigator with ADAPT and Programme Director of the Erasmus Mundus MSc in Transition Innovation and Sustainability Environments (TISE) and a member of the Centre for Digital Policy at UCD. Her research is based in human-computer interaction (HCI) and digital and critical media studies and focuses on ethics in digital technologies – specifically in developing theory and tools for supporting ethical reflection in design and development as well as methods to support ethical interventions, working with a variety of different stakeholder groups including researchers, practitioners, artists, civil society and public community groups.

Recent academic publications have explored ethical design for technologies to support well-being, the social expectations and public communication of 'ethical' AI, algorithmic vulnerability and critical and creative methods and environments for ethical intervention. Her work is published in ACM SIGCHI conferences and key journals in the fields of digital media, human computer interaction and critical data studies in social sciences.

For this call, Dr Barry is looking for projects related to developing empirical approaches to ethics in technology design in practice; Empirical ethics for artificial intelligence and automation in public services; Speculative design and design fiction methods in ethics and technology; Critical digital media practice; Co-creation and participatory design projects with artists, NGOs, third sector organisations etc.

Research keywords: Human-Computer Interaction; HCI; Human-Centred AI Research; HCAI; Ethics and Technology Design; Ethics And AI; Critical Digital Media Practice; Speculative Design; Design Fiction; Science Technology and Society Studies; STS

Prof Na Fu

Trinity College Dublin

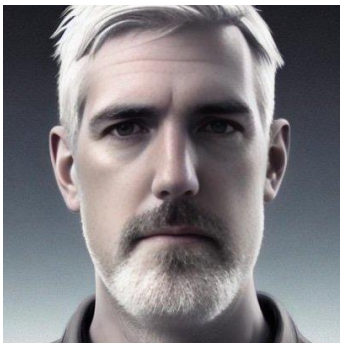
Professor Na Fu is Chair of Responsible Leadership and Fellow at Trinity College Dublin. She is also a Fellow of the Chartered Institute of Personnel and Development (CIPD), and Co-Director of the Trinity Centre for Digital Business and Analytics.

Driven by a passion for empowering people, Professor Fu has made significant contributions to advancing the understanding and practical applications of responsible leadership through her research, teaching, and international collaborations. As a leading expert, Professor Fu has developed impactful frameworks that enable organizations to build responsible businesses, with a focus on enhancing employee well-being, promoting equality and inclusion, and driving digital transformation and AI in management. Her work has garnered global recognition, and she has published in top-tier journals such as the *Journal of Management, Human Resource Management, Human Resource Management Journal, Human Relations, and Journal of Business Ethics* among others. She serves as Associate Editor for the Human Resource Management Journal and is on the editorial boards of seven other prestigious journals. Her research has shaped both academic theory and practical applications in the fields of responsible leadership and sustainable business.

Professor Fu's work has been honoured with multiple prestigious best paper and projects awards, including from the Academy of Management, the Labour and Employment Relations Association and Emerald, underscoring her role as a global expert in people management. She has established a global network across Europe, the U.S., Australia, and Asia. In addition to her scholarly achievements, Professor Fu has secured over €7.9 million in research funding, underscoring her dedication to responsible leadership and digital transformation. Beyond academia, Professor Fu is a recognized industry influencer. She is frequently invited to deliver keynote addresses, serve as a judge for industry awards, and contribute to industry reports.

For this call, Professor Fu is looking for projects in the areas of human-AI interactions in the organisations.

Research keywords: Human-AI interactions, AI ethics, Inclusive digitalisation



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.

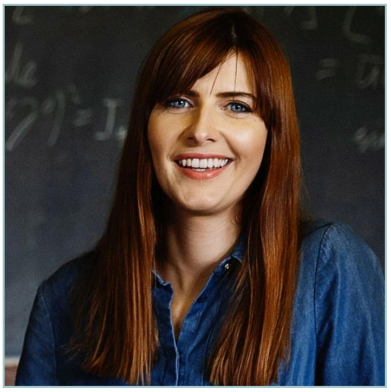
Dr Wall's research is on the use of technology for global development (ICT4D), technology for global sustainability, and AI ethics. He is currently Principal Investigator for two Science Foundation Ireland (SFI) Discover projects studying the ethical use of technology in school students' lives, and a 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 Animating Realistic Crowd Behavior in VR, Identity in in Virtual Avatar Design, AI-Driven Animation Generation from Text Descriptions, Motion Capture Data Synthesis Using AI, Emotion-Driven Animation Systems

Research keywords: Virtual Reality, Perception, Virtual Humans, Computer Animation, Machine Learning for Animation Synthesis

Research keywords: Virtual humans, computer animation, virtual reality, Perception, machine learning, social VR, embodiment, virtual conversational agents, uncanny valley, computer graphics, optimisation, facial animation, perceptual adaptive graphics, facial action coding system, proxemics, spatial audio in VR.

Prof Rosemary Monahan

Maynooth University

Rosemary Monahan is a Professor in the Department of Computer Science and an affiliate of the Hamilton Institute at Maynooth University. She is the Maynooth University institutional lead for ADAPT, the SFI Research Centre for AI-Driven Digital Content Technology, with expertise in the modelling, analysis and verification of software, working with international academics and industry to develop and employ techniques increasing the dependability of software systems (such as those in the medical, automotive, and aerospace domains).

Professor Monahan is the Principal Investigator on a SFI Frontiers for the Future Project, working on the verification and visualisation of AI based-systems (MAIVV, 2021-2025), and a Funded Investigator working on VERIFAI: Traceability and Verification of Natural LAnguage Requirements. She also develops educational resources that teach the science of problem-solving through computational thinking, funded via SFI Discover Projects (InSPECT 2019-2022; CoCoA 2021-2023, CoCoA23 2023-2025).

For this call, Prof Monahan, is interested in projects related to

- Developing verification techniques for safety critical software
- Exchange of information between verification and validation techniques such as theorem proving, model checking, deductive verification and runtime verification
- Formal Verification of Neural Networks
- Safety specifications for systems with learning components
- Automatic translation of natural language requirements into formal specifications

Research keywords: Verification, Specification, Logics, Model Checking, Deductive Verification, VerifyThis Challenges, Neural Network Verification, Differentiable Logics, Artificial Intelligence

Dr Ruairí O'Reilly

Munster Technological University

Dr Ruairi O'Reilly is a lecturer in Computer Science at Munster Technological University (MTU) in Cork, Ireland. His research focuses on integrating automated analytics into workflows requiring expert knowledge. The primary application domain is e-health, combining artificial intelligence, machine learning and distributed systems into scalable clinical workflows. The intent is to contribute an understanding of the inherent limitations of analysis approaches, the data associated with clinical analysis, and the complexity of the multi-stakeholder perspectives required.

For this call, Dr O'Reilly is looking for projects in the areas of systems analysis for workflow-based processes, Open-source AI and FAIR ML. Topics include:

- Open-Source AI-Powered Clinical Workflow Optimisation
- FAIR-Compliant Data Integration Platform for Distributed Clinical Settings
- Distributed Learning Frameworks for Clinical Predictive Analytics
- Open-Source Tools for Assessing and Enhancing the Fairness of AI Models in Clinical Applications
- Interoperable, FAIR-Compliant Clinical Decision Support System

Research keywords: Artificial Intelligence, Data Analytics, Data Representation, Data Visualisation, Knowledge & Data Engineering, Machine Learning, Multimodal Analytics, Distributed Architectures, Real-Time Data Acquisition

Dr Sheila Castilho

Dublin City University

Dr Sheila Castilho is an Assistant professor in SALIS at Dublin City University. She graduated in Linguistics and Education from the UNIOESTE University in Brazil. She holds a joint Master in Natural Language Processing from the University of Wolverhampton –UK and the University of Algarve – PT. She completed her PhD dissertation at Dublin City University in 2016. Previously, she was an Irish Research Council Research Fellow at the ADAPT Centre working on the DELA Project, which aimed to test the existing human and automatic sentence-level metrics to the document-level and define best practices for document-level machine translation evaluation. She has authored several journal articles and book chapters on translation technology, post-editing of machine translation, user evaluation of machine translation, and translators' perception of machine translation – over 40 publications to date. She is a co-editor of the book 'Translation Quality Assessment: From Principles to Practice', published in 2018 by Springer. Her research interests include machine translation, post-editing, machine and human translation evaluation, document-level machine translation, usability, and translation technologies.

For this call, Dr Sheila Castilho is looking for projects in the area of Context-Aware, Multilingual and Multimodal, Machine Translation and Large Language Models, and evaluation, NLP for translation, and translation technologies.

Research keywords: Machine Translation, LLMs for Translation, Translation/NLP Evaluation, Low Resource Language, Bias, AI, TBL

Dr Soumyabrata Dev

University College Dublin

Dr Soumyabrata Dev is an Assistant Professor in the School of Computer Science, at University College Dublin. He is also an Institute Member of UCD Earth Institute, and an SFI Funded Investigator with ADAPT SFI Research Centre, Dublin. His research interests primarily lie in the area of computer vision, image processing, 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

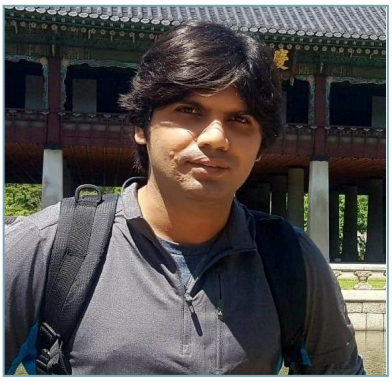
Dr Susan McKeever

Technological University Dublin

Susan McKeever is a senior lecturer at Technological University Dublin's School of Computer Science. Her main research areas are in the application of state of the art data-driven AI techniques to solving real-world societal problems. Current projects include: Determining how to detect and automatically moderate and analyse content in social media; application of deep learning techniques to road defect detection; Investigating patterns of online child abuse materials online; detecting and tracking the health and well-being of elderly people at home, through the use of activity monitoring;

For this call, Dr McKeever is interested in supervising projects in the focused on the use of AI for addressing societal problems, including innovative uses or research projects on applying GenAI

Research keywords: Responsible AI, Deep Learning, Society, Child Safety Real-World AI, Applied AI, Applied Machine Learning, Health, Elderly Care, Ethical AI, Gender Balance, Bias, Activity Recognition, Federated Learning



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, Private AI, Trustworthy AI, Trustworthy and Responsible LLMs, Model Inversion Attacks, Model Poisoning Attacks, and Image Enhancement with Agentic AI

Dr Vicent Briva-Iglesias

Dublin City University

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, Vincent 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 Vivek Nallur

University College Dublin

Dr Vivek Nallur works on Machine Ethics. He is interested in how to implement and validate ethics in autonomous machines. Questions such as what kinds of ethics can be implemented in autonomous machines, , how would we ensure that individually ethical machines don't combine to produce un-ethical behaviour, are interesting to pose and answer computationally. This is, by nature, an inter-disciplinary thread and he is quite interested in collaborating with researchers in the field of healthcare/philosophy/law/politics etc.

He is a Senior Member of the IEEE.He is a full voting member, and serve on the IEEE P7008 Standards committee for Ethically Driven Nudging for Robotic, Intelligent and Autonomous Systems. I was on the Organizing Committee for AAAI 2021 Spring Symposium Series on Implementing AI Ethics [22-24 March 2021]. He was also on the Program Committee for the 1st and 2nd Computational Machine Ethics Workshop at KR2

He is very interested in complex self-adaptive systems, engineering emergent feedback loops, predicting and controlling emergence in socio-technical systems (where technical systems interact heavily with human desires/abilities), engineering robust systems from non-robust parts.

Multi-Agent Systems (MAS) are his preferred tool for approaching problems in self-adaptation, complexity, emergence, etc. They lend themselves to extensive forms of experimentation: having all agents follow simple rules, implementing complex machine-learning algorithms, investigating the interplay of different algorithms being used at the same time, are all possible with relatively simple conceptual structures.

For this call, Dr Vivek Nallur is interested in projects relating to modelling human decision-making, modelling emotions in AI-based systems, conversational user interfaces, intelligent social simulation, generating qualitative rules from quantitative data

Research keywords: Computational Machine Ethics, Multi-Agent Systems, Affective AI, Simulation, Emergence

Dr Yalemisew Abgaz

Dublin City University

Dr Yalemisew Abgaz is an assistant professor of Computing at the School of Computing, in the Faculty of Engineering and Computing, at Dublin City University, Ireland. Yalemisew's research interests include semantic modelling (ontology development and evolution, semantic publishing, and search), digital humanities, natural language processing, data literacy and analytics, software engineering, information retrieval, and computational creativity.

Yalemisew has been a funded principal investigator (2019-2021) on the ChIA project affiliated with the Austrian Centre for Digital Humanities at the Austrian Academy of Sciences. ChIA is a digital humanities research project aiming to enhance the access and analysis of cultural data by testing semantic tools and AI technologies on cultural and historical images. Yalemisew has been a senior research fellow in the future software systems architecture project at the Lero Research Centre (2021-2022), a research fellow and postdoctoral researcher at the ADAPT Centre at Dublin City University (2017-2021) affiliated with the Austrian Centre for Digital Humanities at the Austrian Academy of Sciences, and a postdoctoral researcher (2014-2017) at Maynooth University.

For this call, Dr Abgaz is interested in supervising projects focusing on the intersection between Knowledge Extraction, Natural Language Processing, and Machine Learning in domains such as Health, Education, and Digital Humanities.

Research keywords: Knowledge Extraction, Semantic Web Technologies, Digital Humanities, Natural Language Processing, Ontology Engineering, Knowledge Graph Generation, Semantic Annotation, Cultural Heritage Image Processing, Artificial Intelligence, Lexical Resources.