Section VII
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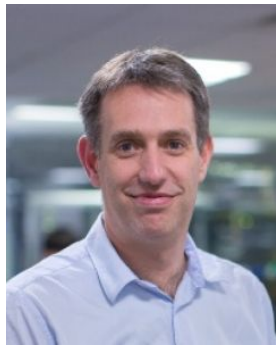
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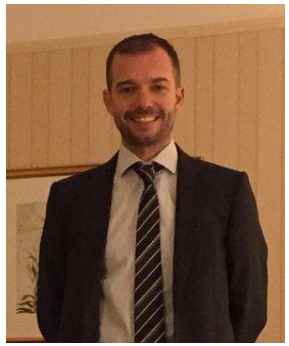
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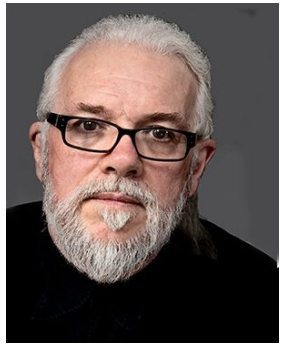
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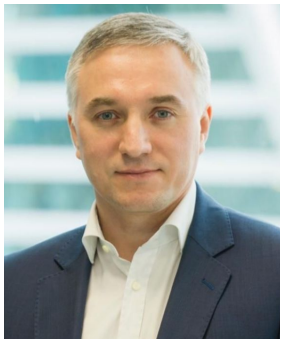
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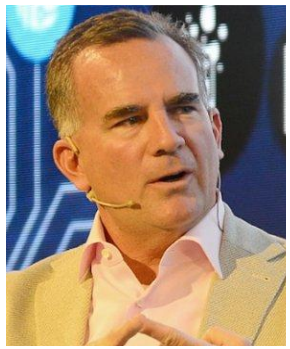
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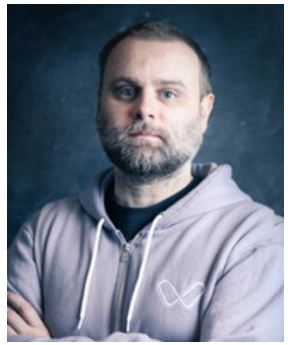
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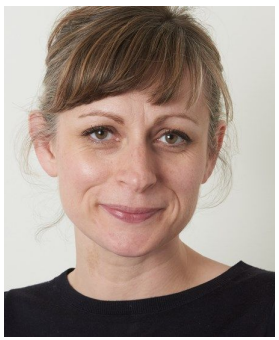
Rachel Coldicutt


Sue Daley


Tabitha Goldstaub


Tarek Nseir


Tina Woods


Tom Kibasi

UK AI Influencers
Policymakers

Christopher Holmes

Member of Select Committee on Artificial Intelligence

The Lord Holmes of Richmond is a British former swimmer and life peer in the House of Lords. Chris is a passionate advocate for the potential of technology and the benefits of diversity and inclusion.

In Parliament he has been a member of Select Committees on Artificial Intelligence, Digital Skills, Social Mobility and Financial Exclusion. He is co-chair of the All-Party Parliamentary Groups on Assistive Technology, Fintech, blockchain and the 4th Industrial Revolution. Through his Private Members Bill Chris is working to end the injustice of unpaid internships. Chris is also Chair of the Global Disability Innovation Hub, Deputy Chair of Channel 4, Diversity Adviser to the Civil Service and Chancellor of BPP University.

Education / degree

- King's College, Cambridge, (Social and Political Sciences)

HOUSE OF LORDS

UK AI Influencers
Policymakers

Eileen Burbidge
Chair of Tech City UK

Eileen Burbidge is a Partner at Passion Capital, the pre-eminent early-stage technology venture fund based in London. On behalf of Passion, Eileen serves as non-executive director on a number of fast growing SMEs including Monzo Bank, Digital Shadows, Tide, Butternut Box, Prowler.io and Focal Point Positioning, among others.

In addition to Passion Capital, Eileen is also the Chair of Tech City UK, which is the British government-backed organisation supporting the digital economy across the UK. She is also the UK Treasury's Special Envoy for FinTech appointed by the Chancellor; Tech Ambassador for the Mayor of London's office and served on former UK Prime Minister David Cameron's Business Advisory Group.

Education / degree

- University of Illinois at Urbana-Champaign (Computer Science)

Department for Business Innovation & Skills

UK AI Influencers
Policymakers

Elizabeth Denham
Information Commissioner for the United Kingdom

Elizabeth Denham was appointed UK Information Commissioner in July 2016, having previously held the position of Information and Privacy Commissioner for British Columbia, Canada and Assistant Privacy Commissioner of Canada.

Since Denham was appointed UK Information Commissioner in July 2016, the ICO has undertaken high-profile investigations into Yahoo, Camelot, WhatsApp and Facebook. In March 2018, she was named as the most influential person in data-driven business in the updated DataIQ 100 list.

Education / degree

- The University of British Columbia

ico.
Information Commissioner's Office

UK AI Influencers
Policymakers

Gila Sachs
Director for Digital and Tech Policy

Gila Sacks is Director for Digital and Tech Policy at the Department for Digital, Culture, Media and Sport, having recently joined in May 2017. Her responsibilities include support for the tech sector and digitisation of the wider economy, digital skills and inclusion, and the wider societal and ethical implications of technology.

Gila has spent ten years in the civil service - including roles in the Departments for Business and Education, and as Private Secretary to Prime Ministers Brown and Cameron - as well as time working internationally on global education strategy.

Education / degree

- The London School of Economics and Political Science (LSE) (Social Policy and Planning)

Department for Digital, Culture, Media & Sport

UK AI Influencers
Policymakers

Greg Clark

Secretary of State for Business, Energy and Industrial Strategy

The Rt Hon Greg Clark was appointed Secretary of State for Business, Energy and Industrial Strategy on 14 July 2016. He was elected Conservative MP for Royal Tunbridge Wells in 2005.

He was appointed Shadow Secretary of State for Energy and Climate Change in October 2008, having previously been Shadow Minister for Charities, Social Enterprises and Volunteering. He then took up the position of Minister of State at Communities and Local Government, with responsibilities for decentralisation and planning policy.

Education / degree

- Magdalene College, Cambridge
- London School of Economics

Department for
Business, Energy
& Industrial Strategy

UK AI Influencers
Policymakers

Jeremy Wright
Secretary of State for Digital, Culture, Media and Sport

Jeremy Wright QC was appointed Secretary of State for Digital, Culture, Media and Sport on 9 July 2018. He was Attorney General from 15 July 2014 to 9 July 2018. He was elected the Conservative MP for Kenilworth and Southam in 2010.

Wright served as a member of the Justice Committee and founded the All-Party Parliamentary Group on Dementia in 2007. He was made an Opposition Whip in 2007 and became a Government Whip in 2010. Wright was appointed Parliamentary Under Secretary of State for Justice in 2012.

Education / degree

- University of Exeter (Bachelor of Laws)

UK AI Influencers
Policymakers

Margot James

Minister of State for the Department for Digital, Culture, Media and Sport

Margot James was appointed Minister of State for the Department for Digital, Culture, Media and Sport in January 2018. Margot was previously Parliamentary Under Secretary of State at the Department for Business, Energy and Industrial Strategy from July 2016 to January 2018. She was elected Conservative MP for Stourbridge in May 2010.

Margot served as Assistant Government Whip from May 2015 until July 2016. Margot was Parliamentary Private Secretary to Lord Green during his period as Minister for Trade and Investment. She served as a local councillor in Kensington and Chelsea from 2006 to 2008.

Education / degree

- London School of Economics (Economics and Government)

Department for Digital, Culture Media & Sport

UK AI Influencers
Policymakers

Martha Lane Fox

Member of committee for National security strategy House of Lords

Martha Lane Fox is a British businesswoman, philanthropist and public servant. Lady Lane-Fox is founder and executive chair of Doteveryone.org.uk, an independent think tank and charity championing responsible technology for a fairer future. Lane Fox co-founded Last Minute during the dotcom boom of the early 2000s and has subsequently served on public service digital projects. She sits on the boards of Twitter, Donmar Warehouse and Chanel, as well as being a Trustee of The Queens Commonwealth Trust. She previously served on the board of Channel 4.

Education / degree

- Magdalen College, Oxford, (BA, MA Ancient and Modern History)

UK AI Influencers
Policymakers

Matthew Hancock

Secretary of State for Health and Social Care

Matt Hancock is the MP for West Suffolk, having been elected in the 2010 general election. Matt Hancock MP was appointed Secretary of State for Health and Social Care on 9 July 2018. He was Secretary of State for Digital, Culture, Media and Sport from 8 January 2018 to 9 July 2018. He was previously Minister of State for Digital from July 2016 to January 2018.

From July 2016 he served at DCMS as Minister of State for Digital and was responsible for broadband, broadcasting, creative industries, cyber and the tech industry.

Education / degree

- Exeter College, Oxford (Philosophy, Politics and Economics)
- Christ's College, Cambridge (MPhil in Economics)

UK AI Influencers
Policymakers

Matthew White Ridley
Member of the House of Lords

Ridley is best known for his writings on science, the environment, and economics. Since 2013, he has been a Conservative hereditary peer, with a seat in the House of Lords. Ridley was chairman of the UK bank Northern Rock from 2004 to 2007, during which period Northern Rock experienced the first run on a British bank in 150 years. Ridley resigned and the bank was bailed out by the UK government leading to the nationalisation of Northern Rock.

Ridley was member of Artificial Intelligence Committee from June 2017 to March 2018.

Education / degree

- Magdalen College, Oxford

HOUSE OF LORDS

UK AI Influencers
Policymakers

Norman Lamb
Chair of Science and Technology Committee

Lamb was a candidate in the 2015 Liberal Democrats leadership election. He served most recently as Minister of State for Care and Support in the Department of Health, and previously as Minister of State for Employment Relations in the Department for Business, Innovation and Skills, and earlier as Parliamentary Private Secretary to Deputy Prime Minister Nick Clegg in the Conservative-Liberal Democrat Coalition Government.

Education / degree

- University of Leicester (LLB)

UK AI Influencers
Policymakers

Rajesh Agrawal
Deputy Mayor of London for Business

As an entrepreneur Rajesh founded RationalFX in 2005, and Xendpay in 2014, both companies utilising technology to reduce the cost of international money transfer for businesses and individuals. Rajesh is passionate about promoting entrepreneurship and creating opportunities for young people. He was appointed Chair of Oxfam's Enterprise Development Programme in 2015 and has been a Patron of the Prince's Trust for many years.

As Deputy Mayor Rajesh aims to be a strong voice for London's business community, protecting jobs and growth, and ensuring that the capital remains the most open and attractive place to do business in the world.

Education / degree

- Prestige Institute of Management & Research, Indore, India (Information Systems, Marketing)

UK AI Influencers
Policymakers

Rannia Leontaridi

Director of the Department for Business, Energy and Industrial Strategy (BEIS)

Rannia Leontaridi is the Director for Business Growth at the Department for Business Energy and Industrial Strategy since May 2016. Rannia is the joint Director lead for Artificial Intelligence in government and has been leading recently the AI Sector deal and AI grand Challenge in the Industrial Strategy.

Rannia is a co-founder and sits on the board of Crown Hosting Services, a start-up and joint venture between Government and Ark Data centres, set up to deliver hosting services for legacy public sector infrastructure. In February 2016 Rannia received the Order of the British Empire (OBE) for public service.

Education / degree

- University of Glasgow (Economics)
- University of Aberdeen (Economics)
- Saïd Business School, University of Oxford

Department for Business, Energy & Industrial Strategy

UK AI Influencers
Policymakers

Roger Taylor
Chair of Centre for Data Ethics and Innovation

Taylor co-founded Dr Foster – a provider of healthcare data analysis – in 2000, and has since held a number of positions relating to the use of data in the public and private sectors.

Taylor has advised the Cabinet Office on the use of open data in government and produced a series of publications on transparency and user engagement in public services for the Royal Society of Arts.

Department for
Digital, Culture
Media & Sport

UK AI Influencers
Policymakers

Sam Gyimah
Minister for Science and Universities

Sam Gyimah is a Conservative politician who has served as the Member of Parliament for East Surrey since the 2010 general election. Between 2014 and 2018 after serving as Parliamentary Private Secretary to the Prime Minister and a government whip, Gyimah was promoted to holding between one and two positions concurrently of Parliamentary Under-Secretary of State.

Since January 2018, Gyimah has been the Minister for Universities, Science, Research and Innovation.

Education / degree

- Somerville College, Oxford (Philosophy, politics and economics)

Department for
Business, Energy
& Industrial Strategy

UK AI Influencers
Policymakers

Sana Khareghani
Head of Office for AI (DCMS & BEIS)

Sana has twenty years' experience in consulting, business transformation and technology across the UK, North America, continental Europe and the Middle East.

In April 2018 Sana was appointed as Deputy Director Head of Office for Artificial Intelligence. She is responsible for running the new joint Office for Artificial Intelligence for Department for Digital, Culture, Media and Sport (DCMS) and Business, Energy and Industrial Strategy (BEIS)

Education / degree

- Massachusetts Institute of Technology - Sloan School of Management (MBA, Business Administration, Management and Operations)

Department for Business, Energy & Industrial Strategy

Department for Digital, Culture Media & Sport

UK AI Influencers
Policymakers

Stephen Metcalfe

Co-chair of the APPG AI (All-Party Parliamentary Group on Artificial Intelligence)

Stephen Metcalfe was first elected as the Member of Parliament (MP) for South Basildon and East Thurrock in 2010. He remains passionate about promoting science, technology, and engineering in South Basildon and East Thurrock.

He began his political career as a District Councillor for Epping Forest where he was portfolio holder for Customer Services, ICT & E-government. As a Councillor for five years, he campaigned on an array of issues including green belt protection and engaging young people in politics. Prior to chairing the APPG AI, Stephen has served as the chairman of the Science and Technology Select Committee.

Education / degree

- South Basildon and East Thurrock in the House of Commons

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UK AI Influencers
Policymakers

Sue Black OBE

UK Government Advisor "UK Government Digital Services"

Named one of the top 50 women in tech in Europe in 2016 Dr Sue Black OBE is an award-winning computer scientist, radical thinker, passionate social entrepreneur and author of "Saving Bletchley Park: how social media saved the home of the codebreakers". With 20+ years experience in academia Sue is also an accomplished academic manager and research centre director with more than 40 publications and a PhD in software engineering.

Sue is an Honorary Professor in the Department of Computer Science at University College London, an associate at DSRPTN an all female technology and digital consultancy, and a mentor at Google campus for mums. A champion for women in computing, Sue is founder of BCSWomen the UK's first online network for women in tech, and #techmums, a social enterprise which empower mums and their families through technology.

Education / degree

- London South Bank University (PhD, Software Engineering)

UK AI Influencers
Policymakers

Theo Blackwell
Chief Digital Officer for London

Theo plays a leading role in realising the Mayor's ambition to make London the world's smartest city, ensuring that the capital's status as a global tech hub helps transform the way public services are designed and delivered, making them more accessible, efficient and responsive to the needs of Londoners.

Theo joins with extensive public and private sector experience. As Cabinet member for Finance, Technology & Growth at Camden council, Theo established Camden as London's leading digital borough through its use of public data. He's worked at GovTech accelerator Public Group, advising startups on the growing market in local public services, and was previously Head of Policy & Public Affairs for the video games industry's trade body, Ukie.

Education / degree

- University of Oxford (Modern History)
- University of Law
- University of Cambridge (Political Thought)

UK AI Influencers
Policymakers

Timothy Clement-Jones

Chair of the House of Lords Artificial Intelligence Select Committee

Lord Clement-Jones is Chair of the House of Lords Artificial Intelligence Select Committee and Co-Chair of the All Party Parliamentary Group on Artificial Intelligence

Lord Clement-Jones is a solicitor by profession and a Partner of the global law firm DLA Piper where he is Head of UK Government Affairs. Former positions held include London Managing Partner from 2011 to 2016, Chairman of its China and Middle East Desks, International Business Relations Partner and Co-Chairman of Global Government Relations.

He is a member of the Saudi–Britain Joint business Council, a Law Society
Ambassador to the City of London and an Icebreaker Fellow and Vice-President of the 48 Group Club, a business network which promotes links with China.

Education / degree

- Trinity College, Cambridge (economics)

HOUSE OF LORDS

UK AI Influencers
Academia

Alan Winfield

Professor of Robot Ethics at the University of the West of England

Alan Winfield is Professor of Robot Ethics at the University of the West of England (UWE), Bristol, UK, and Visiting Professor at the University of York. Winfield co-founded the Bristol Robotics Laboratory and his research is focussed on understanding the nature and limits of robot intelligence.

He is a member of the editorial board of the Journal of Experimental and Theoretical Artificial Intelligence, and an associate editor of Evolutionary Robotics. Winfield is passionate about communicating research and ideas in science, engineering and technology; he led UK wide EPSRC public engagement project Walking with Robots, awarded the 2010 Royal Academy of Engineering Rooke medal for public promotion of engineering.

Education / degree

- The University of Hull (PhD, Digital Communications)

UWE BRISTOL University of the West of England

UK AI Influencers
Academia

Christine Foster

Managing Director for Innovation at The Alan Turing Institute

Christine Foster is Managing Director for Innovation at The Alan Turing Institute, responsible for driving forward the Turing's goal to translate its data science and artificial intelligence research into real-world impact.

Before joining the Turing, Christine advised Virgin Media on implementing machine learning models to personalise customer interactions, and Liberty Global on building a world-class data science team. While in NYC for twelve years, she held leadership positions at a fintech start-up, American Express, and EMI Music. She built digital analytics teams, implemented predictive models, and generally worked at the intersection of data science and business.

Education / degree

- University of Toronto, (BA, Economics)
- INSEAD (MBA, Business Administration and Management)

The Alan Turing Institute

UK AI Influencers
Academia

Dame Wendy Hall

Regius Professor at the University of Southampton

Dame Wendy Hall is Regius Professor of Computer Science at the University of Southampton, UK, and is an Executive Director of the Web Science Institute. She was Dean of the Faculty of Physical Science and Engineering from 2010 to 2014, and was Head of the School of Electronics and Computer Science (ECS) from 2002 to 2007.

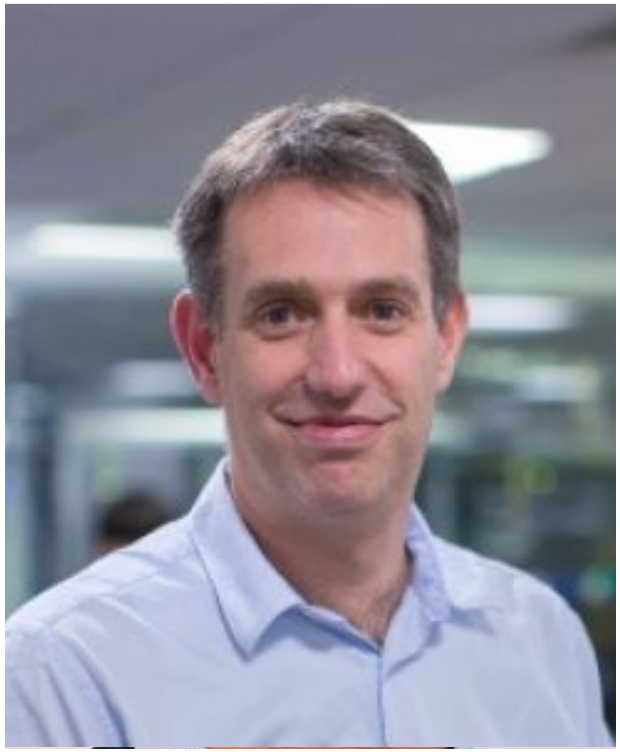
Her current research includes applications of the Semantic Web and exploring the interface between the life sciences and the physical sciences. She is Managing Director of the Web Science Trust. She was elected President of the Association for Computing Machinery (ACM) in July 2008, and was the first person from outside North America to hold this position.

Education / degree

- University of Southampton
- City University London (Msc, Computing)

UNIVERSITY OF Southampton

UK AI Influencers
Academia



Daniel Rueckert

Head of the Department of Computing at Imperial College London

Professor Daniel Rueckert is Head of the Department of Computing at Imperial College London. He joined the Department of Computing as a lecturer in 1999 and became senior lecturer in 2003. Since 2005 he is Professor of Visual Information Processing and leads the Biomedical Image Analysis group.

Professor Rueckert is an associate editor of IEEE Transactions on Medical Imaging, a member of the editorial board of Medical Image Analysis, Image & Vision Computing and a referee for a number of international medical imaging journals and conferences.

Education / degree

- Technical University Berlin (MSc. in Computer Science)
- Imperial College London (PhD. in Computer Science)

Imperial College London

UK AI Influencers
Academia

Joanna Bryson

Associate Professor in the Department of Computing at the University of Bath

Joanna Bryson is an Associate Professor in the Department of Computing at the University of Bath. She works on Artificial Intelligence, ethics and collaborative cognition.

At Bath, Bryson founded the Intelligent Systems research group. In 2017 she won an Outstanding Achievement award from Cognition X. She regularly appears in national media, talking about human-robot relationships and the ethics of AI. he has consulted The Red Cross on autonomous weapons and contributed to an All Party Parliamentary Group on Artificial Intelligence.

Education / degree

- University of Edinburgh, (MSc, Artificial Intelligence)
- Massachusetts Institute of Technology (PhD, Artificial Intelligence)

UNIVERSITY OF BATH

UK AI Influencers
Academia

Kaspar Althoefer
Professor of Robotics Engineering at Queen Mary University of London

Professor Kaspar Althoefer is an electronics engineer, leading research on Robotics at Queen Mary University of London.

His current research interests are in the areas of robot autonomy, soft robotics, modelling of tool-environment interaction dynamics, sensing and neuro-fuzzy-based sensor signal classification with applications in robot-assisted minimally invasive surgery, rehabilitation, assistive technologies and human-robot interactions in the manufacturing environment.

Education / degree

- King's College London (PhD. Robotics)
- RWTH Aachen University (Electrical Engineering)

QUEEN MARY
UNIVERSITY OF LONDON

UK AI Influencers
Academia

Luciano Floridi

Director of the Digital Ethics Lab
Professor of Philosophy and Ethics of Information

Professor Floridi's research areas are the philosophy of information, information and computer ethics, and the philosophy of technology. He is a member of Google's Advisory Council which considers issues of free speech and privacy, and the right to be forgotten. He has also served as chairman of the European Commission's expert group on the impact of information and communication technologies on European society.

Education / degree

- University of Warwick
- Sapienza University of Rome

Digital Ethics Lab

UK AI Influencers
Academia

Margaret Boden
Research professor at the University of Sussex

Margaret Boden is research professor of cognitive science at the department of informatics at the University of Sussex, where her work embraces the fields of artificial intelligence, psychology, philosophy, cognitive and computer science.

She was the founding Dean of the University of Sussex's School of Cognitive and Computing Sciences (COGS), precursor of the university's current Department of Informatics.

Education / degree

- Newnham College, Cambridge
- Harvard University

University of Sussex

UK AI Influencers
Academia

Mark Briers

Programme Director at The Alan Turing Institute
Honorary Senior Lecturer at Imperial College London

Mark Briers is Programme Director for The Alan Turing Institute-Defence and Security partnership. Mark Briers has worked in the defence and security industry for over 16 years, directing research programmes in the area of statistical data analysis, and leading large teams to deliver operational capability. He completed his PhD in 2007 at Cambridge University where he developed Sequential Monte Carlo based techniques for state-space filtering and smoothing. He is an Honorary Senior Lecturer at Imperial College London, and a member of several committees at the Royal Statistical Society. His current research interests include scalable Bayesian inference, sequential inference, and anomaly detection.

Education / degree

- University of Cambridge (PhD, Engineering)

The Alan Turing Institute

UK AI Influencers
Academia

Michael Wooldridge

Professor of Computer Science at the University of Oxford

Michael joined the University of Oxford as a Professor of Computer Science on 1 June 2012, after 12 years as a Professor of Computer Science at the University of Liverpool; during his time at Liverpool, he was Head of Department of Computer Science (2001-05), and Head of School of Electrical Engineering, Electronics, and Computer Science (2008-11). In 2011, Michael was awarded a five-year European Research Council (ERC) Advanced Grant, which fully funds him and his group from 2012 to 2017.

Education / degree

- University of Manchester Institute of Science and Technology (PhD)

UNIVERSITY OF OXFORD

UK AI Influencers
Academia

Miles Brundage

Head of Digital and Technological Innovation at Reform

Miles researches the societal implications of artificial intelligence. He recently joined OpenAI, where he works on the policy team. Previously, Miles was a Research Fellow at the University of Oxford's Future of Humanity Institute (where he remains a Research Associate). He is also a PhD candidate in Human and Social Dimensions of Science and Technology at Arizona State University and a member of Axon's AI and Policing Technology Ethics Board.

His academic research has been supported by the National Science Foundation, the Bipartisan Policy Center, and the Future of Life Institute.

Education / degree

- Arizona State University (PhD candidate, Human and Social Dimensions of Science and Technology)

OpenAI

UK AI Influencers
Academia

Nando de Freitas

Adjunct professor at UBC Computer Science and a full-time professor at Oxford

Nando de Freitas is a Professor of Computer Science at the University of Oxford. He is also a Fellow of Linacre College, Oxford. De Freitas is noted as an authority in the field of machine learning, and in particular in the subfields of neural networks, Bayesian inference and Bayesian optimization, and deep learning.

His goal as a researcher is to develop new ideas, algorithms and mathematical models to extend the frontiers of science and technology so as to improve the quality of life of humans and their environment.

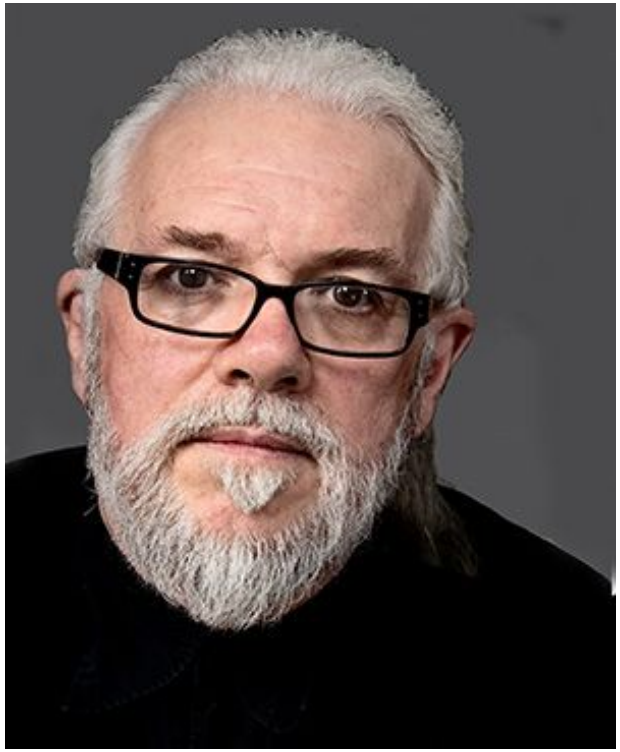
Education / degree

- Trinity College, Cambridge (PhD)
- University of the Witwatersrand (MSc)

UBC Computer Science

UNIVERSITY OF OXFORD

UK AI Influencers
Academia



Noel Sharkey

Professor Emeritus of AI and Robotics and Professor of Public Engagement at the University of Sheffield

Noel Sharkey is Professor of AI and Robotics and Professor of Public Engagement at the University of Sheffield and was an EPSRC Senior Media Fellow (2004-2010). He has held a number of research and teaching positions in the UK (Essex, Exeter, Sheffield) and the USA (Yale,and Stanford). Noel has moved freely across academic disciplines, lecturing in departments of engineering, philosophy, psychology, cognitive science, linguistics, artificial intelligence and computer science.

In addition to editing several journal special issues on modern robotics, Noel has been Editor-in-Chief of the journal Connection Science for 22 years and an editor of both Robotics and Autonomous Systems and Artificial Intelligence Review.

Education / degree

- Doctorate in Experimental Psychology and a Doctorate of Science

The University Of Sheffield.

UK AI Influencers
Academia

Peter McOwan
Professor at Queen Mary, University of London

Peter McOwan is currently a Professor of Computer Science in the School of Electronic Engineering and Computer Science at Queen Mary, University of London.

His research interests are in visual perception, mathematical models for visual processing, in particular motion, cognitive science and biologically inspired hardware and software and science outreach. Peter was elected as a National Teaching Fellow in 2008 by the Higher Education Academy

Education / degree

- Queen Mary, University of London

QUEEN MARY
UNIVERSITY OF LONDON

UK AI Influencers
Academia

Rebecca Fiebrink

Senior Lecturer in Computing at Goldsmiths, University of London

Rebecca is a faculty member in Computing at Goldsmiths, University of London. Rebecca and her students work on a variety of projects developing new technologies to enable new forms of human expression and creativity. Much of her current research combines techniques from human-computer interaction, machine learning, and signal processing to allow people to apply machine learning more effectively to new problems, such as the design of new digital musical instruments and gestural interfaces for gaming and health. She is also involved in projects developing rich interactive technologies for digital humanities scholarship, and using digital music creation to engage youth in learning computer programming and computational thinking.

Education / degree

- Princeton University (PhD, MA Computer Science)

UNIVERSITY OF LONDON

UK AI Influencers
Academia

Rodrigo Mendoza Smith

PDRA in Machine Learning at the University of Oxford

Rodrigo Mendoza Smith is a D.Phil. student at the Mathematical Institute in the University of Oxford. He received a B.Sc. in Applied Mathematics from the Mexican Autonomous Institute of Technology (ITAM) in 2012 and the M.Sc. in Mathematical Modelling and Scientific Computing from the University of Oxford in 2013. His research interests lie in the intersection of Information Theory and Geometry, and have a focus on Numerical Computing and Machine Learning.

Education / degree

- University of Oxford (PhD, Mathematics)
- Instituto Tecnológico Autónomo de México, (B.Sc., Applied Mathematics)

UK AI Influencers
Academia

Rose Luckin

Professor of Learner Centred Design at the UCL Knowledge Lab

Rose's research involves the design and evaluation of educational technology using theories from the learning sciences and techniques from Artificial Intelligence (AI). She has a particular interest in using AI to open up the 'black box' of learning to show teachers and students the detail of their progress intellectually, emotionally and socially. Rose is also Director of EDUCATE, a London hub for Educational Technology StartUps, researchers and educators to work together on the development of evidence-informed Educational Technology.

Rose was named on the Seldon List 2017 as one of the 20 most influential people in Education. She is a UFI charity trustee, a governor and trustee of St Paul's school in London and a governor of the Self-Managed Learning College in Brighton. She has taught in the state secondary, Further Education and Higher Education sectors, and she was previously Pro-Vice Chancellor for Teaching and Learning at the University of Sussex.

Education / degree

- University of Sussex (BA, PhD Artificial and Cognitive Science)

UK AI Influencers
Academia

Sandra Wachter

Research Fellow (Asst. Prof.) at the Oxford Internet Institute

Dr. Sandra Wachter is a lawyer and Research Fellow (Asst. Prof.) in Data Ethics, AI, robotics and Internet Regulation/cyber-security at the Oxford Internet Institute where she also teaches the course Internet Technologies and Regulation. Sandra is also a Fellow at the Alan Turing Institute in London and a member of the Law Committee of the IEEE.

Sandra serves as a policy advisor for governments, companies, and NGO's around the world on regulatory and ethical questions concerning emerging technologies. Her work has been featured in (among others) The Telegraph, Financial Times, The Sunday Times, The Economist, Science, BBC, The Guardian, Le Monde, New Scientist, Die Zeit, Der Spiegel, Sueddeutsche Zeitung, Engadget and, WIRED. In 2018 she won the 'O2RB Excellence in Impact Award' and in 2017 the CognitionX 'AI superhero Award' for her contributions in AI governance.

Education / degree

- University of Oxford (MSc Social Science of the Internet, Internet policy and regulation)
- Faculty of Law, University of Vienna (PhD, Studies in technology-, IT-, IP-, international and European law)

OXFORD INTERNET INSTITUTE

UNIVERSITY OF OXFORD

UK AI Influencers
Academia

Seán Ó hÉigeartaigh

Executive Director of Cambridge's Centre for the Study of Existential Risk (CSER)

Seán Ó hÉigeartaigh is the Executive Director of Cambridge's Centre for the Study of Existential Risk (CSER), and is Co-I on CSER's research projects.

Under his and Huw Price's leadership, CSER has grown in three years to be a world-leading academic research center on extreme technological risk, and is now funded at £3M+ over 2015–18. Since 2011 he has played a central role in research on long-term AI impacts and risks, project managing the Oxford Martin Programme on the Impacts of Future Technology. He has led an active program of engagement with both policymakers and research leaders in computer science on long-term AI, both in the UK and Europe.

Education / degree

- Trinity College Dublin, (PhD, Genome Evolution)

CENTRE FOR THE STUDY OF
EXISTENTIAL RISK

UK AI Influencers
Academia

Stephen Cave

Executive Director of the Leverhulme Centre for the Future of Intelligence at the University of Cambridge

Stephen is Executive Director of the Leverhulme Centre for the Future of Intelligence at the University of Cambridge. He is also a Senior Research Associate in the Faculty of Philosophy and a Fellow of Hughes Hall.

He spent a decade making ends meet as a diplomat, negotiating international treaties on behalf of Her Majesty.

Education / degree

- University of Cambridge (PhD in metaphysics)

REFORM

UK AI Influencers
Business

Ali Parsa
Founder and CEO of babylon

Ali is a healthcare entrepreneur. Ali created babylon in December 2012, which is seen as one of the most exciting developments in health innovation anywhere, with the potential to change our expectations and experience of healthcare.

He was the recipient of the Royal Award for the Young Entrepreneur of the year in 1993 for founding his first business, V&G, and the healthcare Entrepreneurial Achievement in 2010.

Education / degree

- University College London, U. of London, (PhD, Engineering Physics)

babylon

UK AI Influencers
Business

Andrew Anderson
Chief Executive Officer at Celaton

Andrew Anderson is Chief Executive Officer of the company and considered a pioneer in the commercial application of intelligent automation, artificial intelligence and machine learning. An international speaker, he has over 25 years experience building software companies and is recognised as one of a few of the worlds automation CEO's shaping the future of operations.

Andrew's vision has shaped Celaton as the leading developer of artificial intelligence on a ready to deploy platform that is transforming the way organisations handle the plethora of information and data that organisations receive from their customers suppliers and employees every day.

Celaton

UK AI Influencers
Business

Azeem Azhar
Chief at Exponential View

Azeem Azhar is an award-winning entrepreneur, analyst, strategist, investor, influencer and curator of Exponential View as well as a Senior Advisor in Artificial Intelligence to the CTO of Accenture. Azeem runs the very popular newsletter on the societal implications of technology called Exponential View which has garnered more than 28k subscribers including investors, academics, and journalists around the world. Up to recently Azeem was also the Vice President at the global media company Schibsted Media Group.

Previously, Azeem has been an award-winning entrepreneur and an investor in many technology startups, especially in the Artificial Intelligence sector.

Education / degree

- University of Oxford, (MA, Politics, Philosophy, Economics)

UK AI Influencers
Business

Claire Calmejane
Chief Innovation Officer at Société Générale

Claire Calmejane began her career in 2006 in the Technology Transformation department of Capgemini Consulting, where she supported companies and especially financial institutions in their technological and digital transformation. Contributing to a study on the digital transformation of large companies led by MIT in 2011, she joined the London office of Capgemini to lead the digital center of the Financial Services sector.

Claire Calmejane is one of the leading figures of diversity in tech in Europe. She has received several awards (Fintech 35 under 35 in 2018, Digital Leader in 2017) and regularly gives lectures on the fintech ecosystem and digital transformation at MIT, CFTE, Oxford and HEC. She is also a member of the World Economic Forum's “Future of AI and Financial Services Automation” project and support charity in their digital strategy as well as training digital champions to enable all citizens to realize their potential online.

Education / degree

- HEC Paris (MS)
- EPITA: Ecole d'Ingénieurs en Informatique (Master, Computer Engineering, Specialization in Cognitive Science and Advanced Algorithms

SOCIETE GENERALE

UK AI Influencers
Business

Demis Hassabis
Co-Founder & CEO at DeepMind

Demis Hassabis is the Founder and CEO of DeepMind, a neuroscience-inspired AI company which develops general-purpose learning algorithms and uses them to tackle some of the world's most pressing challenges. In 2014, DeepMind was acquired by Google in their biggest ever European acquisition.

He is a five-time World Games Champion, recipient of the Royal Society's Mullard Award, and a Fellow of the Royal Society of Arts and the Royal Academy of Engineering, winning the Academy's Silver Medal. In 2017 he featured in the Time 100 list of most influential people, and in 2018 he was awarded a CBE for services to science and technology.

Education / degree

- Cambridge University (Computer Science)
- University College London (PhD, Cognitive Neuroscience)

DeepMind

UK AI Influencers
Business

Dmitry Kaminskiy

Managing Partner
Deep Knowledge Ventures

Dmitry Kaminskiy is an innovative entrepreneur and investor who is active in the fields of BioTech, FinTech, BlockChain, Precision Medicine and Artificial Intelligence.

Mr.Kaminskiy is a co-founder and a managing partner at Deep Knowledge Ventures, an investment fund focused on DeepTech and advanced science projects.

Dmitry Kaminskiy is a frequent speaker on the topics of AI and Longevity. During the last year he spoke at conferences organized in London by The Economist “Aging Societies and The Business of Longevity”, Financial Times “Smart Machines vs Smart People”, at the Future Finance Forum in Seoul “AI in Finance”, Precision Medicine World Conference" in Silicon Valley, as well as several others at Oxford and Cambridge Universities.

DEEP
KNOWLEDGE
VENTURES

UK AI Influencers
Business

Goncalo de Vasconcelos
Founder and CEO of SyndicateRoom

Gonçalo is the CEO and co-founder of multi-award-winning online investment platform SyndicateRoom, a guest lecturer in Entrepreneurship and Fintech at the University of Cambridge and a contributor for Forbes, writing regularly about entrepreneurship, fintech, corporate finance and venture capital.

He regularly delivers keynote speeches at main conferences throughout the world. Goncalo regularly contributes or is featured in the media including BBC, Forbes, Financial Times and The Sunday Times amongst others. Gonçalo was considered one of the Top 10 most influential people in tech in the UK as well as one of the Top 40 most influential people in fintech in Europe.

Education / degree

- University of Cambridge (MBA, Business Administration)

SYNDICATE ROOM
Invest with the professionals

UK AI Influencers
Business

Jacob Ayres-Thomson
Head of Data Sciences at JRP Group

Jacob Ayres-Thomson was recruited by JRP Group's CEO to design, build and then evangelically lead the firm's first group-wide data science operation. In his first year he successfully delivered a new artificial intelligence (AI) approach to an old problem which produced startling results. He has developed a new piece of novel AI software which experiments with and learns optimal ALM strategies.

Using a number of innovations and hybridising some methods from machine learning, Jacob has produced a system that learns as it experiments and in so doing, it is discovering new hitherto unseen 'efficient frontiers' in the ALM solution space.

Education / degree

- University College London, U. of London (MSc, Machine Learning & Computational Statistics)

JUST.

UK AI Influencers
Business

Jérôme Pesenti
VP of AI at Facebook

Jérôme Pesenti is the VP of AI at Facebook. He leads Facebook's AI research (FAIR) arm. Prior to joining Facebook, Jerome joined IBM to lead the development of its Watson platform after the startup he co-founded, Vivisimo, was acquired by the company in 2012. He went on to later become the CEO of BenevolentTech. He is a Member Board Of Directors at BenevolentAI.

He is also active in the big data community through a local non-profit that he created, Pittsburgh DataWorks, whose mission is to promote and provide access to big data education, projects, talent, and technologies and to help establish Pittsburgh as a leader in big data.

Education / degree

- Paris-Sud University (Paris XI), (PhD, Mathematics)
- Pierre and Marie Curie University (Sciences Cognitives)

UK AI Influencers
Business

Katia Walsh
Chief Global Data and Analytics Officer at Vodafone

Dr. Katia Walsh's career spans over 20 years of fuelling digital innovation by harnessing big data, advanced analytics, machine learning and artificial intelligence solutions. She is one of the very few global chief data officers with a command of the full spectrum of data capabilities: data governance, big data platforms, analytics services and digital solutions. As Vodafone's first chief data and analytics officer, Walsh has led the prioritisation of data as an asset and elevated it to one of the company's most important areas of focus at group board level. Among her achievements at Vodafone, she has developed a big data and advanced analytics strategy and delivered on the company's aspiration to harness the combination of new data, technologies and techniques to solve complex, high-impact business problems. She has also launched big data and advanced analytics capabilities in seven Vodafone operation countries and spearheaded architecture and delivery of a big data platform with 17 Petabytes of capacity, ranking among the top 10 EMEA big data platforms.

Education / degree

- University of Missouri-Columbia (Ph.D,Strategic Communication with specialization in quantitative methodology)
- Indiana University Bloomington (M.A)

vodafone

UK AI Influencers
Business

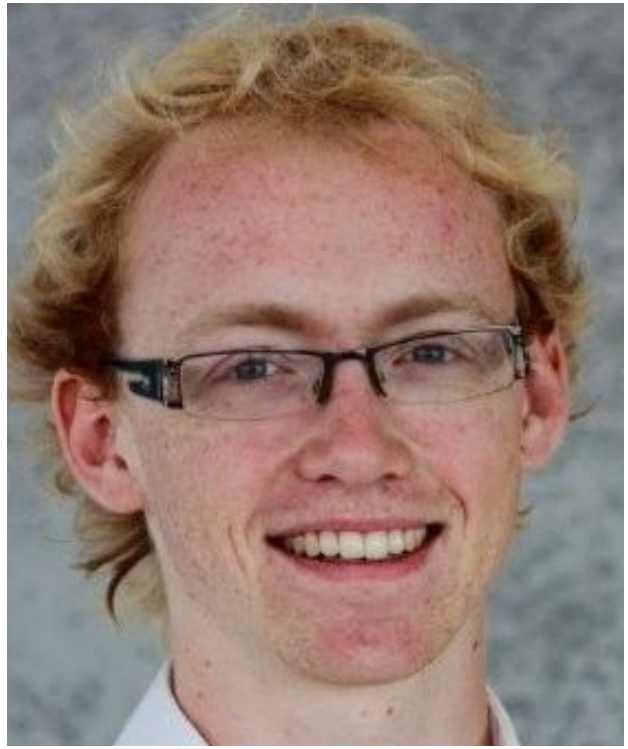
Kenneth Mulvany
Chairman of BenevolentAI

Ken is a serial entrepreneur, investor, healthcare and technology industry veteran. He is currently the Chairman of BenevolentAI, a $1.7bn valuation British technology company he founded, which is applying AI to accelerate and enhance scientific discovery.

He was previously CEO of Proximagen, a UK-based biotech company that he founded which was committed to delivering novel drugs and innovative new treatments for central nervous system disorders. Ken sits on the advisory panel to the UK Government on Artificial Intelligence and is a member of the All Party Artificial Intelligence Parliamentary Group. He is currently the Chairman of the Trustees of the Cure Parkinson's Trust. Ken also sits on the Advisory Board for Oxford Sciences Innovations.

BenevolentAI

UK AI Influencers
Business



Mark Nicholson
Founder & CEO at Vivacity Labs

As CEO of Vivacity, Mark is heavily involved in a number of leading Smart Cities projects in the UK, providing data on car parking, road traffic and rail stations, all at unprecedented accuracy & cost. Mark is passionate about how data can be used to improve transport systems & quality of life.

Now, Mark combines his technical and commercial experience with a passion for bringing artificial intelligence to the transport systems we all use every day.

Education / degree

- University of Cambridge (Msci)

VIVACITY

UK AI Influencers
Business

Mustafa Suleyman
Head of Applied AI at DeepMind

Mustafa Suleyman is a British entrepreneur, activist and, most notably, the co-founder and Head of Applied AI at DeepMind, an artificial intelligence company acquired by Alphabet.

Suleyman is one of the three co-founders of Artificial Intelligence / Machine Learning company DeepMind Technologies, and started out as its Chief Product Officer. The company quickly established itself as one of the leaders in the AI sector and was by backed by Founders Fund, Elon Musk, and Scott Banister amongst others. Following the acquisition, Suleyman became Head of Applied AI at DeepMind, taking on responsibility for integrating the company's technology across a wide range of Google products.

Education / degree

- Oxford University

DeepMind

UK AI Influencers
Business

Nicole Eagan
CEO at Darktrace

As Chief Executive Officer of Darktrace, Nicole Eagan has established the company as the global leader of AI cyber defense. Her extensive career spans 25 years working for Oracle and early to late-stage growth companies. Named 'AI Leader of the Year' in 2017, Nicole has introduced disruptive machine learning to enterprises of all sizes. Today, Darktrace has a valuation of $1.25 billion and counts Insight, KKR, Summit Partners, and Samsung among its investors. Darktrace's innovative approach to cybersecurity has won over 100 awards and the company has been named to WSJ Tech Companies to Watch, Fast Company's Most Innovative Companies, and the CNBC Disruptor 50.

Education / degree

- Montclair State University

DARKTRACE

UK AI Influencers
Business

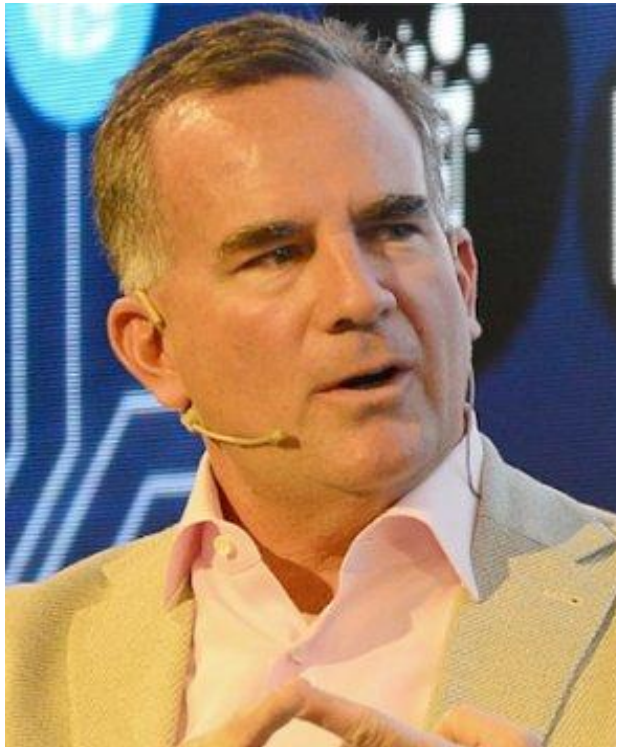
Nigel Toon
Co-founder & CEO of Graphcore

Nigel is co-founder & CEO of Graphcore. Nigel was CEO of two VC-backed silicon companies before founding Graphcore; Picochip, which was sold to Mindspeed in 2012 and most recently, XMOS, in which Graphcore was incubated for two years before being established as a separate entity in 2016.

Before that he was co-founder of Icera, a 3G cellular modem chip company, where he led Sales and Marketing and was on the Board of Directors. Icera was sold to NVIDIA in 2011 for $435M. He was a non-executive director at Imagination Technologies PLC until its acquisition in 2017 and is the author of three patents.

GRAPHCORE

UK AI Influencers
Business



Reggie Bradford
SVP of Startup Ecosystem and Accelerator

Reggie Bradford brings more than 20 years of experience to his role as senior vice president of Startup Ecosystem and Accelerator. In his current role, he is focused on driving Oracle's vision to become the global leader in cloud computing, as well as leading the global expansion of the Oracle Startup Cloud Accelerator program. He also serves as a thought leader speaking and writing about entrepreneurism, cloud, the Internet of Things, globalization, data visualization, artificial intelligence, and other emerging technologies.

Prior to joining Oracle, Bradford was the founder and CEO of Vitrue, the global leader in cloud-based social marketing and management. Vitrue was acquired by Oracle in 2012 and is now a wholly-owned subsidiary of Oracle. Prior to Vitrue, Bradford held executive management positions at Tandberg Television, N2 Broadband, and WebMD.

Education / degree

- Emory University, (MBA, Business)
- The University of Georgia (BBA, Finance)

ORACLE

UK AI Influencers
Business

Rishi Khosla

Chief Executive Officer & Co-Founder of OakNorth
Co-founder of Acorn Machine

Rishi Khosla is a British-Indian serial entrepreneur and the co-founder and chief executive officer of OakNorth, a UK bank that provides fast, flexible and accessible debt finance to fast-growth businesses and entrepreneurs. He is also the co-founder of Acorn Machine, a fintech platform that is unlocking the underserved and underestimated complex SME lending market globally, by leveraging AI and machine learning to make a previously unprofitable market segment, highly attractive.

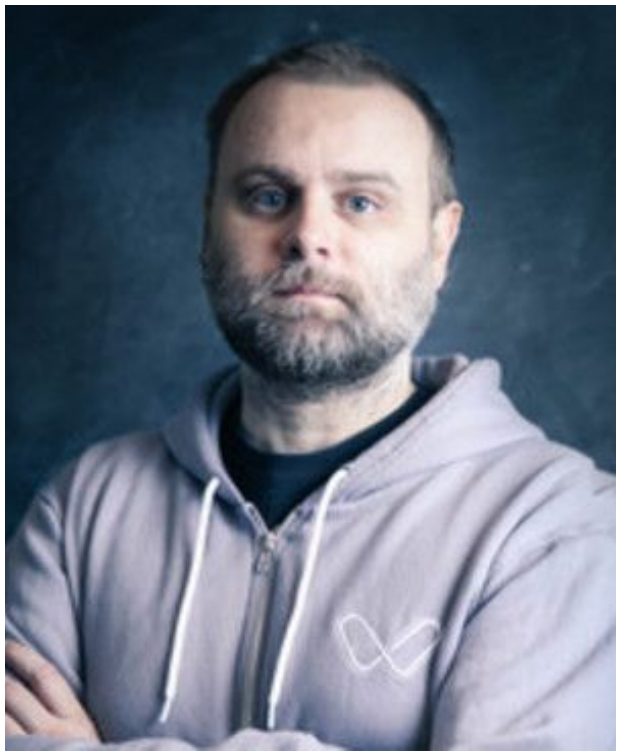
Rishi is also an active venture investor and has provided early stage funding to two multi-billion dollar companies – Indiabulls and PayPal. His entrepreneurial success and commercial acumen won Rishi the Ernst & Young Entrepreneur of the Year Award in 2011.

Education / degree

- London School of Economics (MA, Accounting & Finance)
- University College London (BA, Economics)

ACORN MACHINE

UK AI Influencers
Business



Rodolfo Rosini
Partner at Zeroth.ai

Rodolfo has taken multiple startups from inception to market, recruited their management teams, raised VC funding for each and successfully sold one. His expertise is building new technology products, blue ocean strategy, product/market fit, market positioning and product portfolio development. Rodolfo has deep domain knowledge in artificial intelligence, infosecurity, encryption and video games industries. He is founder of 3 VC backed tech companies, lifelong passion for games.

Education / degree

- The London School of Economics and Political Science (LSE) (Bsc, Management)

Zeroth.AI

UK AI Influencers
Business

Sally Eaves

Official Member at Forbes Technology Council
Co-Founder at Project Shivom

Sally combines a depth of experience as a Chief Technology Officer, Practising Professor of FinTech, Founder and Global Strategic Advisor, consulting on the application of disruptive technologies for both business and societal benefits. She is an award-winning thought leader in innovation, digital transformation and emergent technology, notably blockchain, artificial intelligence, machine learning and robotics. A member of the Forbes Technology Council, Sally is an accomplished author with regular contributions to leading business, technology and academic publications. She is an international keynote speaker and respected online influencer across multiple channels and consistently rated in the top 10 for blockchain and social media influence worldwide. Sally strongly believes in technology being an enabler for social good which is reflected in her recent shortlisting for the UK IT Woman of the Year Business Role Model Award alongside active roles as a STEM ambassador, trustee and mentor.

Education / degree

- University of Oxford - Said Business School
- Aston Business School (PhD, Online Media, Thought Leadership and Knowledge Sharing)

UK AI Influencers
Business

Stan Boland
CEO of FiveAI

Stan Boland is a British entrepreneur in the information technology sector. Boland was reported in April 2013 as being appointed CEO of wireless technology startup Neul.

From January 2014, he has also been Chairman of NMI, the UK national association for companies in the electronics systems sector. Icera was co-founded by Boland in 2002 and acquired by Nvidia in 2011 for $367M plus an undisclosed staff retention amount.

Education / degree

- University of Cambridge (MA, Natural Sciences (Physics))

UK AI Influencers
Think Tanks

Alan Wilson

Chief Executive of the Alan Turing Institute

Sir Alan Wilson is Chief Executive of the Alan Turing Institute and Professor of Urban and Regional Systems in the Centre for Advanced Spatial Analysis. He is Chair of the Home Office Science Advisory Council and was chair of the Lead Expert Group for the Government Office for Science Foresight Project on The Future of Cities.

Sir Alan Wilson has previously been Director-General for Higher Education in the then Department for Education and Skills and from 2007-2013 he was Chair of the Arts and Humanities Research Council. He was responsible for the introduction of a number of model building techniques which are now in common use internationally. His current research is on the evolution of cities and the dynamics of global trade, migration, security and development aid.

Education / degree

- University of Cambridge

The Alan Turing Institute

UK AI Influencers
Think Tanks

Anthony Painter
Director at the Action and Research Centre

Anthony leads the Action and Research Centre and its work around the three change aims – creativity, learning and development; economy, enterprise and manufacturing; and public services and communities. His own work focuses on a range of policy issues including the impact of new technology on the economy and society, reform to welfare, work, learning and skills, and reform to public services and a range of public institutions.

He previously directed the Independent Review of the Police Federation and has also worked in partnership with Google, the BBC, the BMA, the Education and Training Foundation, the Association of Colleges and the Metropolitan Police.

Education / degree

- London School of Economics and Political Science (Msc, European Politics and Policy)
- Trinity College, Cambridge University (BA (hons), Social and Political Science, Japanese Studies)

RSA
21st century enlightenment

UK AI Influencers
Think Tanks

Benedict Dellot

Head of the RSA Future Work Centre and Associate Director

Benedict is Associate Director in the RSA's Economy, Enterprise and Manufacturing team. His research covers topics such as self-employment, the maker movement, the future of manufacturing, and capital and ownership in the 21st century. Benedict aims to use high quality think-tank research to influence policymakers and practitioners, and to ultimately create a fairer economy that works for everyone.

Education / degree

- The University of Manchester (BA (Hons), Economics and Politics)

RSA

21st century enlightenment

UK AI Influencers
Think Tanks

Berndt Müller

Chair at AISB

Senior Lecturer in Computer Science at Swansea University

Bertie Müller has a strong background in mathematical modelling of concurrent and distributed systems. He has further developed semantics and verification techniques for high-level Petri nets, specifically those following the nets-within-nets paradigm. Currently, he is working on AI technology for applications in the smart-home domain and in healthcare. Another focal area of Bertie's research is the incorporation of resource and location concepts into verification techniques (such as model checking and formal proof) for agents and multi-agent systems.

Bertie is chair of the world's oldest AI society, the Society for the Study of Artificial Intelligence and Simulation of Behaviour (AISB) and Associate Editor of the international journal Connection Science published by Taylor and Francis.

Education / degree

- Universität Hamburg, (PhD Informatics)

UK AI Influencers
Think Tanks

Birgitte Andersen
CEO and Co-Creator at Big Innovation Centre

Professor Birgitte Andersen (PhD Economics) is CEO of Big Innovation Centre, a London based think-tank and innovation hub that promotes open innovation via challenge-led task forces, All Party groups in UK Parliament on Artificial Intelligence and Blockchain, and an AI Global Governance Commission. Since 2011 she has rapidly - through a strong vision – directed and grown the Big Innovation Centre to become a building block in the innovation landscape in the UK and European Union. She is now accelerating the Big Innovation Centre vision with thought leaders, innovative companies and 'what works' innovators in the Middle East. She advises economists and policy makers of national governments in and beyond Europe including OECD, UN and WIPO; and large firms, and serves as an expert defence witness in the UK courts on matters of IP use on the Internet. She was the Rapporteur for the EU Commission representing the EU Expert Group on Knowledge Transfer and Open Innovation, and currently sits on the EU Expert Advisory Panel for Horizon 2020 - Societal Challenge: Europe in a Changing World – Inclusive, Innovative and Reflective Societies. Birgitte was recently (October 2018) appointed on Arab League Expert Group on Digital Transformation regarding the Digital Economy Strategy for the Arab World.

Education / degree

- Aalborg Universitet
- University of Reading (PhD Economics)

BIG INNOVATION CENTRE

UK AI Influencers
Think Tanks and R&D centers

Eleonora Harwich

Head of Digital and Technological Innovation at Reform

Eleonora is Head of Digital and Tech Innovation at Reform, an independent Westminster-based think tank, where she joined in June 2015. Since she has been involved with a wide variety of research projects from assessing issues with ways of measuring of public sector productivity to developing a model for performance assessment within prisons. Her work focuses on how tech innovations can help deliver public service reforms. She has published a paper on artificial intelligence in the NHS.

Education / degree

- Barcelona Graduate School of Economics, Master's Degree, Economics for Public Policy

REFORM

UK AI Influencers
Think Tanks and Hubs

Felicity Burch

Director of Innovation and Digital at CBI (Confederation of British Industry)

Felicity leads the organisation's policy work to create the conditions that enable businesses to come up with new ideas, invest in research and development (R&D) and adopt new technologies.

Prior to taking her current role, she spent two years as the Head of Innovation and Digital, where she led the CBI's successful campaign for the government to commit to a target for R&D expenditure, as well as agenda-setting work on technology adoption. Felicity's first role at the CBI was as the Principal Policy Adviser on labour markets, where she was responsible for the CBI's agenda on pay and the future of work.

Education / degree

- University of Oxford (MA, Philosophy, Politics and Economics)

UK AI Influencers
Think Tanks and Hubs

Geoff Mulgan
Chief Executive at Nesta

Geoff Mulgan CBE is Chief Executive of the National Endowment for Science Technology and the Arts (NESTA) and Visiting Professor at University College London, the London School of Economics, and the University of Melbourne.

He is chair of the Studio Schools Trust; co-chair of the London LEP Digital,Science, Technology and Arts group; a board member of Big Society Capital; and has been a trustee of the Design Council, the Work Foundation, Crime Concern, Involve and Political Quarterly, and a member of various commissions for bodies including the European Commission and the Academy of Medical Science. He has done TED talks on the global economy, education, and happiness.

Education / degree

- Balliol College, Oxford
- University of Westminster (PhD, Telecommunications)

UK AI Influencers
Think Tanks and Hubs

Imogen Parker

Head of Justice, Rights & Digital Society Programmes at Nuffield Foundation

Imogen is Head of the Nuffield Foundation's programmes on Justice, Rights and Digital Society, with a mission to improve social wellbeing through research and innovation in social policy. She is the strategic lead in the development of the Ada Lovelace Institute, an independent research and ethics body to ensure data and AI support people and society.

She is a Policy Fellow at Cambridge University's Centre for Science and Policy and has first-class masters degrees from both Oxford and London.

Education / degree

- London Consortium (MRes, Humanities and Cultural Studies)
- University of Oxford (MA Oxon; BA Musicology, History, Analysis and Performance))
- University of Cambridge

Nuffield Foundation

UK AI Influencers
Think Tanks and Hubs

Jeni Tennison
Chief Executive Officer at the Open Data Institute

Jeni Tennison is the CEO of the Open Data Institute. She gained a PhD in Artificial Intelligence, then worked as an independent consultant specialising in open data publishing and consumption. She was the Technical Architect and Lead Developer for legislation.gov.uk before joining the ODI as Technical Director in 2012, becoming CEO in 2016.

Jeni sits on the UK's Open Standards Board; the Advisory Board for the Open Contracting Partnership; the Board of Ada, the UK's National College for Digital Skills; the Co-operative's Digital Advisory Board; and the Board of the Global Partnership for Sustainable Development Data.

Education / degree

- University of Nottingham (BSc, Psychology)

REFORM

UK AI Influencers
Think Tanks and Hubs

Nick Bostrom

Founding Director of the Future of Humanity Institute

Professor Bostrom has a background in physics, computational neuroscience, and mathematical logic as well as philosophy.

In 2014 he was included on Prospect magazine's World Thinkers list, the youngest person in the top 15 from all fields and the highest-ranked analytic philosopher. He is also the recipient of a Eugene R Gannon Award (one person selected annually worldwide from the fields of philosophy, mathematics, the arts and other humanities, and the natural sciences). He is the author of some 200 publications, and his writings have been translated into 22 languages.

Education / degree

- University of Gothenburg (B.A. in philosophy, mathematics, logic and artificial intelligence)
- Stockholm University (MA)
- King's College London (MA)
- London School of Economics (PhD)

Future of Humanity Institute
UNIVERSITY OF OXFORD

UK AI Influencers
Think Tanks and Hubs

Niki Iliadis

Innovation & Policy Manager - Big Innovation Centre

As Innovation and Policy Foresight Manager, Niki is responsible for the delivery and coordination of all of the All Party Parliamentary Groups (APPGs) within Big Innovation Centre.

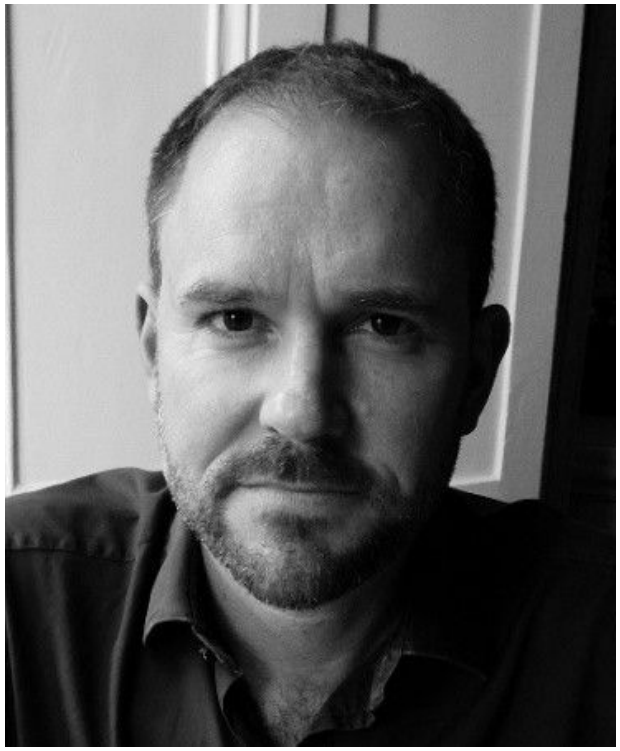
She personally leads the APPG on Artificial Intelligence, ensuring it is designed and delivered in accordance with the vision of the APPG Chairs, Officers, and Advisors. As part of her core responsibilities, Niki conducts the background research and compiles the evidence gathered by the group; and, next, applies these findings in various research and engagement projects used to inform Parliamentarians and other key stakeholders.

Education / degree

- University of California, Berkeley (BA, Political Science)
- The London School of Economics and Political Science (LSE) (MSc, Public Management and Governance)

BIG INNOVATION CENTRE

UK AI Influencers
Think Tanks and Hubs



Olly Buston
CEO at Future Advocacy

Olly Buston is CEO of the think tank and consultancy Future Advocacy which works on some of the greatest challenges faced by humanity in the 21st Century. Olly is author of the report "An Intelligent Future?" which focuses on what governments can do to maximise the opportunities and minimise the risks of artificial intelligence.

Previously Olly was Director of the ONE campaign for 7 years. He has also run the global anti-slavery movement Walk Free, been an Executive Director of the UK Labour Party, and led Oxfam International's global education campaign from Washington DC.

Education / degree

- Cambridge University (B.A, Social and Political Sciences)
- London School of Economics and Political Science (MSc, Development Economics and International Development)

FUTURE ADVOCACY

UK AI Influencers
Think Tanks and Hubs

Pete Trainor
Co-Founder, Strategic Design Director at Us Ai Ltd

Pete Trainor is a bestselling author, behavioural designer, technologist, accidental polymath, mental health campaigner and co-founder of Us Ai in London. He talks all over the world on creative & social technologies, data, artificial intelligence and the physiological & psychological effects on their audiences. Over the last three years, Pete has helped to pioneer an entirely new approach to Ai focused services, one that looks at ‘self-evolving systems’ and ‘minimum viable personality’ to help solve societal and human issues.

Pete chairs the Ai Think Tank for The British Interactive Media Association. In 2017 Pete was included in Econsultancys 2017 industry report as one of the 5 most influential people in the British digital industry.

Education / degree

- Bournemouth University

UK AI Influencers
Think Tanks and Hubs

Rachel Coldicutt
CEO at Doteveryone

Rachel Coldicutt is CEO of Doteveryone, a London-based think tank, fighting for a fairer Internet. She has spent the last 20 years helping organisations adapt to the digital world and has worked across the public and private sectors. She is also the founder of Culture Hack Day, co-founder of arts innovation agency Caper and a Trustee of the Fawcett Society. She regularly writes and speaks about how technology is changing society, and creates provocations and policy recommendations to make sure technology changes the world with people in mind.

She has worked for Microsoft, Encyclopaedia Britannica, the BBC, BT, the V&A, Endemol, the Royal Opera House and as a consultant with large service organisations in finance, energy, healthcare and the third sector.

Education / degree

- University of Cambridge

doteveryone

UK AI Influencers
Think Tanks and Hubs

Sue Daley
Chair of Science and Technology Committee

Sue leads techUK's work on cloud, data analytics and AI and has been recognised as one of the most influential women in UK tech by Computer Weekly. Sue has also been recognised in UK Big Data 100 as a key influencer in driving forward the Big Data agenda, shortlisted for the Milton Keynes Women Leaders Awards and was recently a judge for the Loebner Prize in AI. In addition to being a regular industry speaker on issues including AI ethics, data protection and cyber security, Sue is a regular judge of the annual UK Cloud Awards.

Prior to joining techUK in January 2015 Sue was responsible for Symantec's Government Relations in the UK and Ireland. She has spoken at events including the UK-China Internet Forum in Beijing, UN IGF and European RSA on issues ranging from data usage and privacy, cloud computing and online child safety.

techUK

UK AI Influencers
Think Tanks and Hubs

Tabitha Goldstaub

Co Founder at CognitionX
Chair of the UK Government's AI Council

Tabitha is a leading light on the impact of AI on society having co-founded CognitionX in 2015 with Charlie Muirhead. She led the CognitionX report team who wrote “London: the AI Growth Capital of Europe” for the Mayor of London in June 2018.

Alongside CognitionX, Tabitha is the AI & Data Business Champion and chair of the AI Council for the UK government’s Office for AI, to champion a rapid and responsible adoption of AI. An advocate for increased diversity in the industry, Tabitha set up Why Women in AI and Co-Founded Future Girl Corp and is on the advisory council for Founders 4 Schools. She has appeared as a guest on BBC Breakfast, featured in MIT Tech Review and explains AI to Vogue readers.

Education / degree

- University of the Arts London (BA, Graphic Design & Advertising)
- Bedales

CognitionX

UK AI Influencers
Think Tanks and Hubs

Tarek Nseir
Founding Partner at TH_NK
President at BIMA

Tarek Nseir was an early starter, founding the Th_nk agency in 2004 while still studying at university in Newcastle, before going on to open a London operation in 2008 and placing its first team members in Australia. Nseir has been the driving force behind securing a global digital client list that includes Warner Bros, Britvic, Nando's, Toyota, Audi and Asos.

Th_nk is also the agency that partnered directly with JK Rowling to produce the acclaimed online platform Pottermore. Nseir is a board member at Bima and an investor/advisor to a small number of digital start-ups including Future Ad Labs.

Education / degree

- University of Newcastle-upon-Tyne (BSc, Information Systems)

TH_NK

UK AI Influencers
Think Tanks and Hubs

Tina Woods
Founder & CEO at Collider Health

Tina is founder of Collider Health, a health innovation catalyst that works with organisations of all shapes and sizes to think and do differently and transform health with meaningful impact. Tina is chair of Future Health Collective , a multi-disciplinary, cross-industry group geared to foster collaboration and radical innovation in areas of unmet need in health and social care.
Tina is an ecosystem architect and builds collaborative networks to help corporates, start-ups, third sector and investors form strategic partnerships and facilitate smart investment- for long term, sustainable impact. She has established relationships with leading incubators, accelerators, investors, digital health start-ups, clinical innovators and tech corporates. Tina is currently working with Innovate UK on consortia development for the Industrial Strategy Challenge Fund for Healthy Ageing (£98 million) and the national Academic Health Science Network (AHSN) AI initiative to build the artificial intelligence ecosystem for the NHS.

Education / degree

- Cornell University (Genetics)
- Cass Business School (MBA, Business Administration)

COLLIDER HEALTH

UK AI Influencers
Think Tanks and Hubs

Tom Kibasi
Director at IPPR

As IPPR's Director, Tom is responsible for the overall strategy, networks, and programme of work. Tom created the IPPR Commission on Economic Justice to develop a new vision for the British economy in 2030 and the policies to achieve it.

He also established IPPR's Progressive Brexit programme, which aims to influence all parties to achieve the most progressive Brexit deal possible, and launched our journal of ideas, the IPPR Progressive Review, with the goal of embracing a new generation of progressive thinkers.

Education / degree

- Trinity College, Cambridge

12 UK AI Think Tanks

12 UK AI Think Tanks

1. Big innovation Centre
2. BIMA
3. CognitionX
4. Deep Knowledge Analytics
5. Future Advocacy
6. Institute for Public Policy Research
7. Nesta
8. Reform
9. Royal Society
10. Royal Society of Arts (RSA)
11. Society for the Study of Artificial Intelligence and Simulation of Behaviour
12. Tech Nation

Big innovation Centre

www.techhub.com

The Big Innovation Centre exists to help businesses, public agencies and universities put their open innovation principles into practice. Acting as an open innovation hub, Big Innovation Centre convenes a network of representative global companies in every sector, plus national public agencies and some of the best universities. Through this coalition it is building world-class innovation ecosystems and co-creating global innovation and investment hubs. Its aim is to help rebalance and grow national and regional economies.

BIC's partners pool and share resources – technology, IP, data, skills, space, entrepreneurial finance – so its people can work together as co-catalysts to solve the grand challenges. Big Innovation Centre enlarges the innovative capability of its partner organizations, and itself becomes a 'go-to' place where commercial and public sector ideas are shared, tested and realized.

Big innovation Centre creates a trusted space for people from cutting edge companies, universities and public agencies to meet and co-create a better world.

In all the things BIC does its work is underpinned by five values: Purpose, Ambition, Openness, Excellence, Access.

BIC's values are ingrained in its name:

- BIG - Relentlessly ambitious
- INNOVATION - Experts in the enterprise potential of 21st century technology
- CENTRE - Centre of excellence

BIMA

www.bima.co.uk

BIMA

The British Interactive Media Association (BIMA) is a not-for-profit industry body representing the digital industry in the United Kingdom. BIMA's purpose is to represent the interactive media and digital content sector in the UK. Its core objectives are to promote the British digital industry, share knowledge and best practice, recognise excellence and support the next generation of digital professionals.

BIMA is a community of communities. Its communities sit at the heart of everything BIMA does. BIMA councils set the agenda in digital hubs around the country and its Think Tanks aid industry leaders and practitioners to fuel the future.

BIMA brings the industry together to:

- Build connections
- Deliver thought leadership
- Recognise excellence
- Drive change

CognitionX

cognitionx.com

CognitionX brings together the world leading data experts, software developers, platform vendors, researchers, hardware providers and businesses looking to apply data-driven techniques to their organisation.

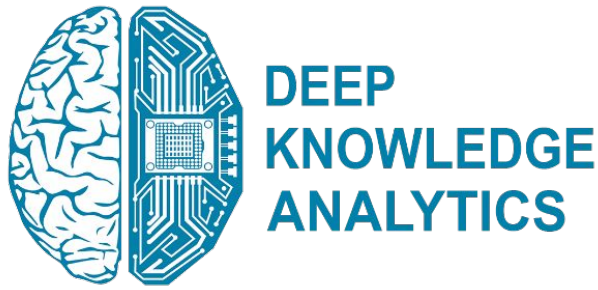
They do this through a combination of in person events, executive dinners and their online platform. CognitionX's mission is to bring clarity to, and accelerate adoption of, AI across all organisations from global enterprises to startups, and help ensure a safe and responsible transition to an AI-driven society.

Charlie Muirhead is the CEO and Founder of CognitionX, an AI Advice Platform that connects organisations with a global on-demand network of AI experts. He has has spent 20 years building innovative, data-driven technology businesses and investment networks.

Tabitha Goldstaub is co-founder of CognitionX, and also Director of CogX, the Festival of All Things AI, which in June 2018 brought together over 300 speakers and 6,500 members of the AI community to discuss the Impact of AI.

Deep Knowledge Analytics

www.dka.global



Deep Knowledge Analytics - A leading Deep Tech analytical agency focused on AI, Longevity, Crypto Economy, and Convergence of Technological MegaTrends.

Aging Analytics Agency - A leading analytical agency conducting special case studies related to advanced biomedicine. Since 2013 Deep Knowledge Analytics has been producing regular Longevity industry reports on the topics such as the impact of the Silver Tsunami and Longevity risk on the economy.

Deep Knowledge Analytics regularly produces analytical reports on multiple topics including DeepTech, AI and Longevity and publishes them using an open source approach in order to accelerate development of these industries for the betterment of humanity.

“Deep Knowledge” is its proprietary technology. Specific methods of predictive analytics empowered by Data Science and AI. Advanced forecasting with a focus on the convergence of DeepTech industries for tangible foresight which it is using to design its investment strategies and for cooperation with its strategic partners.

Future Advocacy

futureadvocacy.com

Future Advocacy is a think tank and consultancy that delivers high impact research, advocacy and communications to tackle the greatest challenges of the 21st century. Future Advocacy focuses in a few different areas, current projects range from artificial intelligence to education, and HIV to nutrition.

Future Advocacy's vision is a world which is more equal, more sustainable, and more prosperous. Its team has deep practical experience of how changes in government policy and business practice can be achieved by transforming the assets its clients have, into the power they need, to achieve the change they want to see in the world.

Future Advocacy's services include:

- Designing winning advocacy strategies
- Delivering impactful global government relations work
- Researching, developing policy, and writing
- Training in all aspects of strategy, lobbying, campaigning, and media work
- Applying AI to social change

Institute for Public Policy Research

www.ippr.org

IPPR, the Institute for Public Policy Research, aims to influence policy in the present and reinvent progressive politics in the future. With nearly 50 staff across four offices throughout the UK, IPPR is Britain's only national think tank with a truly national presence. IPPR's independent research is wide ranging and covers the economy, work, skills, transport, democracy, the environment, education, energy, migration and healthcare among many other areas.

Its charitable purpose is to:

- Promote research into (and the publication of the useful results thereof) and the education of the public in the economic, social and political sciences and in science and technology, the voluntary sector and social enterprise, public services, and industry and commerce
- Advance the voluntary sector and the efficiency of public services which serve (or further) a charitable purpose
- Advance physical and mental health
- Relieve poverty, unemployment, or those in need by reason of youth, age, ill-health, disability, financial hardship, or other disadvantage
- Advance environmental protection or improvement and sustainable development
- Advance the arts, culture, heritage or science
- Advance such other exclusively charitable purposes as the Trustees in their absolute discretion determine.

IPPR engages with the public, with opinion formers, and policymakers and politicians of all parties and none.

Nesta

www.nesta.org.uk

Nesta is an innovation foundation. They back new ideas to tackle the big challenges of our time. Their mission is to spark and shape new ideas to improve how the world works for everyone. Nesta uses their knowledge, networks, funding and skills to take on big challenges, working in partnership with others to make change happen.

Nesta believes that innovation - the creation and adoption of new ideas - is the key to human progress, prosperity and happiness. But too often innovation doesn't back the things that really matter to people. Nesta wants to make innovation work for everyone - growing new ideas that tackle the challenges our society faces and change the world for the better.

Nesta focuses on areas where the combination of digital technology, empowered individuals, and better use of data and evidence can have the biggest impact.

Between 2017 and 2020, Nesta is focusing on a small number of fields where there are big challenges and its capacities are suited to the action that's needed.

Nesta works with partners from across the globe including governments, businesses and charities. Nesta is a UK charity but it works all over the world.

Reform

www.reform.uk

Reform was founded in 2001 out of a concern that the record public spending increases that followed would not in fact transform public services, or improve economic productivity, in the way that was hoped. Reform is now established as the leading Westminster think tank for public service reform.

Established as a charity, their vision is of excellent public services within sustainable finances. By delivering better value, reform keeps public finances sustainable, and allows policymakers to focus on the changes in service delivery that are needed for citizens to lead fulfilled lives.

Reform works on all issues that bear on improved public service performance within affordable budgets. Because some public services make use of competition, Reform is interested in related examples of competition in the economy such as regulated markets. Because public services need good policy, Reform is interested in a better Civil Service, stronger Parliament and better Ministers. Its current work is building towards the 2015 Spending Review which, done right, could set a course for better public services and sound public finances in the next Parliament.

Reform is politically independent, with an MP of each of the main Parties on its Advisory Board. Some people call it “centre-right” because of its interest in value for money in public spending. The best description is “liberal” with a small l.

Reform is an educational charity, established as the Reform Research Trust. Reform is funded by private individuals and by corporate organisations. Reform has been praised for the transparency of its corporate donations. Their support does not influence Reform’s research programme, which is fully independent.

Royal Society

royalsociety.org

THE ROYAL SOCIETY

The Royal Society’s origins lie in a 1660 ‘invisible college’ of natural philosophers and physicians. Today the Royal Society is the UK’s national science academy and a Fellowship of some 1,600 of the world’s most eminent scientists. The Royal Society's motto 'Nullius in verba' is taken to mean 'take nobody's word for it'. It is an expression of the determination of Fellows to withstand the domination of authority and to verify all statements by an appeal to facts determined by experiment.

The Royal Society is a Fellowship of many of the world's most eminent scientists and is the oldest scientific academy in continuous. The Society's activities include influencing science and education policy, funding leading researchers, publishing journals that span all the sciences and the history of science, and the provision of science communication activities for a variety of public audiences.

The Royal Society provides a range of grant schemes to support the UK scientific community and foster collaboration between UK based and overseas scientists. Through its Research Fellowships and funding programmes, the Society works in partnership with universities and industry to support excellent scientists.

The Society helps to develop partnerships between scientists and brings together scientists and policy makers from around the world. Addressing the world’s challenges requires international collaboration. It uses the expertise of international scientists, including Fellows and Foreign Members of the Society, to advise decision makers on global issues.

RSA

www.thersa.org

RSA’s mission is to create the conditions for the enlightened thinking and collaborative action needed to address today's most pressing social challenges. RSA areas of work range from the future of the cities and communities, to education, moving towards a more creative economy and the redesign of public services. The RSA Fellowship is a powerful national and international network of accomplished individuals. Fellows are encouraged to engage with a wide range of the RSA’s work and to develop their own local and issue based initiatives.

The RSA has been at the forefront of social change for over 260 years. Each research project the RSA undertakes, every event it hosts and the ideas it promotes, all further its core mission of 21st century enlightenment. All the RSA’s activity aims to strengthen, empower and mobilise networks to work together in taking on today’s most pressing social challenges.

The RSA’s cutting-edge research, dynamic Fellowship, award-winning Journal and global ideas platform combine to produce real social change. Through undertaking and sharing cutting edge research and driving innovation, the RSA createS networks and opportunities for people to collaborate and create real world impact.

iTS areas of work range from the future of our cities and communities, to education, moving towards a more creative economy and the redesign of public services.

Society for the Study of Artificial Intelligence and Simulation of Behaviour

www.aisb.org.uk

AISB is a nonprofit, scientific society devoted to advancing the scientific understanding of the mechanisms underlying thought and intelligent behaviour and their simulation and embodiment in machines. AISB also aims to facilitate co-operation and communication among those interested in the study of artificial intelligence, simulation of behaviour and the design of intelligent systems.

The Society for the Study of Artificial Intelligence and Simulation of Behaviour (AISB) is the largest Artificial Intelligence Society in the United Kingdom. Founded in 1964, the society has an international membership drawn from both academia and industry. It is a member of the European Coordinating Committee for Artificial Intelligence.

AISB is a thriving learned society which invites membership from people with a serious interest in Artificial Intelligence, Cognitive Science and related areas. There are six types of membership: student, ordinary, benefactor, patron, corporate and institutional. The society hosts an annual convention. Members of the Society receive a quarterly newsletter AISBQ which includes short reports on current AI and Cognitive Science research.

Tech Nation

technation.io

Tech Nation's story began in Shoreditch in 2011, launched by the then Prime Minister David Cameron, to support the East London tech cluster known as London Tech City — or Silicon Roundabout. Since then Tech Nation has been on a journey, spreading its activities to cover other parts of the UK, and have set up Tech North to run programmes across the North of England. In November 2017, Prime Minister Theresa May and the Chancellor Philip Hammond announced the launch of Tech Nation, consolidating Tech City UK and Tech North's impact.

Now as Tech Nation, it is expanding its network of growth programmes, events, skills and data resources to reach all corners and clusters of the UK.

Its vision is to make the UK the best place to imagine, start and grow a digital business. Its mission is to empower ambitious tech entrepreneurs to grow faster through knowledge and connections; to build a UK economy fit for the next generation. Tech Nation's board reflect the ethos of the organisation and the audience that it serves. Its board members include tech founders, investors and thought leaders in the digital, financial and creative fields. Tech Nation is grateful that they work on a pro-bono arrangement, reflecting their strong belief in its cause and mission.

12 UK AI Tech Hubs

12 UK AI Tech Hubs

1. Digital Catapult
2. Edinburgh Centre for Robotics
3. Future AI and Robotics for Space Hub (FAIR-SPACE)
4. Level39
5. Leverhulme Centre for the Future of Intelligence
6. National Centre for Nuclear Robotics
7. Plexal
8. Robotics and Artificial Intelligence for Nuclear (RAIN) Hub
9. St John' Innovation Center
10. TechCube
11. TechHub
12. techUK

Digital Catapult

www.digicatapult.org.uk

Digital Catapult is the UK's leading advanced digital technology innovation Centre, driving early adoption of technologies to make UK businesses more competitive and productive to grow the country's economy.

It connects large established companies, startup and scaleup businesses and researchers to discover new ways to solve big challenges in the manufacturing and creative industries. Through this collaboration businesses are supported to develop the right technologies to solve problems, increase productivity and open up new markets faster.

Digital Catapult provides physical and digital facilities for experimentation and testing that would otherwise not be accessible for smaller companies.

As well as breaking down barriers to technology adoption for startups and scaleups, its work de-risks innovation for large enterprises and uncovers new commercial applications in immersive, future networks, and artificial intelligence technologies.

Advanced digital technologies can accelerate growth and increase productivity across the UK economy. To help reach this full potential Digital Catapult, in 2017 alone, has had meaningful engagements with 638 startups and scaleups, 42 new industrial collaborations and 31 new academic engagements to drive innovation and adoption of advanced digital technologies. To make this happen, Digital Catapult delivers three core technology programmes, across two industry sectors, driven by three regional centres and a national centre in London.

Edinburgh Centre for Robotics

www.edinburgh-robotics.org

The Centre harnesses the potential of 30 world leading investigators from 12 cross disciplinary research groups and Institutes across the School of Engineering & Physical Sciences and The Department of Computer Science at Heriot-Watt University and the Schools of Informatics and Engineering at the University of Edinburgh.

The Centre's research focuses on the interactions amongst robots, people, environments and autonomous systems, designed and integrated for different applications, scales and modalities. It aims to apply fundamental theoretical methods to real-world problems on real robots solving pressing commercial and societal needs.

Edinburgh Centre for Robotics produces 'innovation ready' postgraduates equipped through technical preparation, and cohort-wide training and research with scientific, creative, ethical and enterprise skills, in programmes supported by User partners operating in RAS crucial market sectors including oil and gas, defence, renewable energy, healthcare, assisted living, transport, space, automotive, manufacturing, nuclear, digital media and education.

A key focus of our Centre is to produce innovation-ready graduates - who can not only make fundamental advances in the theory and development of robotics technology, but also have the skills to take these advances through to achieving impact in the form of new products and new companies.

The Centre operates ROBOTARIUM - a £7.2M investment in robotic testbeds, featuring autonomous marine and terrestrial field platforms, humanoids, interactive spaces, 3D printer fabrication and multi-core computing.

Future AI and Robotics for Space Hub (FAIR-SPACE)

The FAIR-SPACE Hub is a UK national centre of research excellence in space robotics and AI. The Hub was launched in November 2017, as part of the government's £84m R&D funding on "robotics and AI for extreme environments" through the Industry Strategic Challenge Fund (ISCF). In its initial 3-year programme, the Hub has secured a £6.9m research grant from the Engineering and Physical Sciences Research Council (EPSRC) and the UK Space Agency (UKSA), boosted by a further £7.5m match fund from the industrial sector and a £15m business development fund.

The Future AI and Robotics for Space (FAIR-SPACE) Hub brings together leading experts from academia, industry and governments, and aims at pushing the boundary of AI robotics for future space utilization and exploration. In the immediate term, the Hub will help advance knowledge and technologies in orbital manipulation, extra-terrestrial vehicles, and robotic support for astronaut missions. These directly address technical priorities in the space sector worldwide. In the long term, the Hub will help transfer the field to a new era by achieving long-lived robotic operations in space.

Led by the University of Surrey with over 30 international partners, the FAIR-SPACE Hub consortium offers a unique combination of expertise and capabilities to address key challenges in space robotics and autonomous systems, as well as to influence and engage with the wider community of academia, industry, government and the public.

While primarily aimed at solving the technical barriers faced by the global space sector, the technologies developed by FAIR-SPACE also have applications in other industries where there is a need to navigate hazardous or challenging environments, such as nuclear, underwater, mining and agriculture.

Level39

www.level39.co

Level39 is the world's most connected tech community, with over 200 tech startups and scaleups based onsite. Level39 supports fast-growth businesses in three clear ways - giving access to world-class customers, talent and infrastructure.

Through expert mentors, access to Canary Wharf's dynamic workspace, a packed events calendar and best-in-class facilities Level39 helps businesses achieve scale.

Owned wholly by the Canary Wharf Group, Level39 launched in March 2013. Since then, Level39 has grown from a simple idea into a three-floor, 80,000 sq. ft. community space occupying the 39th, 24th and 42nd floors of One Canada Square.

Leverhulme Centre for the Future of Intelligence

lcfi.ac.uk

The mission at the Leverhulme Centre for the Future of Intelligence (CFI) is to build a new interdisciplinary community of researchers, with strong links to technologists and the policy world, and a clear practical goal: to work together to ensure that we humans make the best of the opportunities of artificial intelligence as it develops over coming decades.

Funded by a £10 million grant from the Leverhulme Trust, CFI will explore the opportunities and challenges of this potentially epoch-making technology, short-term as well as long-term. CFI is based at the University of Cambridge, with partners at the Oxford Martin School at the University of Oxford, at Imperial College London, and at the University of California, Berkeley.

Its research is mostly structured in a series of projects and research exercises. These projects are the root structure of CFI's new community, reaching out to brilliant researchers and connecting them and their ideas to the challenges of making the best of AI. Topics range from algorithmic transparency to exploring the implications of AI for democracy.

CFI brings together researchers from a number of disciplines, from philosophers to social scientists, cognitive scientists and computer scientists, to help guide the future of this technology and study its implications.

National Centre for Nuclear Robotics

www.ncnr.org.uk

The National Centre for Nuclear Robotics (NCNR) is a collaborative £43m research project, funded by the Engineering and Physical Sciences Council (EPSRC), to develop state-of-the-art robotics, sensing and Artificial Intelligence (AI) technologies to address the major societal challenges posed by nuclear environments and materials.

NCNR is an ambitious initiative that brings together internationally leading experts from eight UK universities with over 30 nuclear industry partners. A collaborative approach will ensure research is uniquely equipped and resourced to achieve impactful engagement with the entire value chain.

Led by the University of Birmingham, in collaboration with universities of Bristol, Edinburgh, Essex, West England, Lancaster, Lincoln, and Queen Mary University of London, the multi-disciplinary group brings together expertise spanning radiation resilient systems, novel sensors, robotic vision and perception, autonomous navigation, advanced robotic manipulation, as well as issues of human-robot interfaces and human-centred design.

NCNR has 12 priority technology areas: Industry-defined use-case scenarios; Radiation effects on robotic systems; Radiation-resilient embedded design; Novel sensors and robotic sensor delivery systems; Robotic perception and learning; Mobility and navigation; Grasping and manipulation; Multi-modal telepresence, virtual and augmented reality; Variable autonomy and shared control; Integration, standardisation and modularity; Systems-level performance and usability evaluation; Technology transfer.

Plexal

www.plexal.com

Designed and built in the heart of Olympic east London, Plexal is the innovation centre for people with big ideas. Plexal is building a community of tech startups while its innovation services team delivers training, workshops and accelerator programmes for both corporate and startup clients.

Plexal's members get access to a hot desk, fixed desk or private office as well as on-site professional services to support them in everything from marketing to recruitment – basically anything a busy innovator needs.

And because Plexal believes in the power of collaboration, it has designed its workspace as a mini-city (it even has its own high street, indoor park and prototyping workshop stocked with 3D printers) to encourage members to bump into each other and make new connections.

Plexal's in-house innovation services team can usually be found matchmaking businesses and delivering workshops, sprints, accelerators or incubators to get the ideas flowing (and scaling).

And because it has its own 200-seater events space and plenty of room, there's usually a party, conference, meetup or hackathon taking place at Plexal on any given day.

Robotics and Artificial Intelligence for Nuclear (RAIN) Hub

rainhub.org.uk

RAIN is funded by EPSRC and brings together eight teams of robotic and nuclear engineering experts from The University of Manchester (project lead), Lancaster University, The University of Oxford, The University of Liverpool, The University of Sheffield, The University of Bristol, The University of Nottingham and RACE (Robotics and Remote Applications in Challenging Environments).

By facilitating remote inspection, RAIN's technologies will bring about major improvements to nuclear health and safety. It will do this by reducing significantly – and hopefully eliminating altogether – the exposure of people working in the industry to radiation and other hazards.

Remote inspection will also have the potential to improve the life-span of the UK's existing nuclear reactor fleet, helping to secure the country's future energy provision. The scientific and engineering advances that RAIN will deliver will inform and benefit national and international research efforts.

RAIN will benefit the UK economy by improving nuclear industry productivity (by a targeted 20%) and reducing the cost of decommissioning the UK's nuclear legacy sites by as much as £11.78 billion.

Then, by extending its research to cover non-nuclear applications, the programme will ultimately create a vibrant commercial market for RAI technologies across the world. RAIN will provide comprehensive training for more than 25 post-doctoral researchers and many associated PhD students. Furthermore, large numbers of undergraduate and postgraduate students will be made aware of the challenges and opportunities offered by the nuclear industry through individual and group research projects.

St John' Innovation Center

stjohns.co.uk

St John’s Innovation Centre was established by St John’s College, part of the University of Cambridge in 1987 as part of St John’s Innovation Park, which now hosts a number of other buildings occupied by knowledge companies and professional services firms. The site (wholly-owned by St John’s College, Cambridge, since 1534) provides a campus setting close to both the city centre and major transport arteries.

St John’s Innovation Centre has been granted full membership of the European Business and Innovation Centre Network (EBN) and thus became the first accredited “BIC” (Business and Innovation Centre) in the East of England, joining a network of only 10 such accredited organisations within the UK.

Over 100 units are available, with individual spaces designed for two to twenty-five people. Simple leases, typically terminable on one month’s notice, provide significant flexibility. The great majority of tenants are involved in commercializing innovation, with major sectors in recent years including information technology, communications (including wireless), digital printing, cleantech, electronics and design, though some bio and medical firms also have offices at the Centre – as do a few providers of relevant services, such as intellectual property advisers and specialist recruitment agencies.

Over the years, numerous prominent startups associated with the Cambridge Phenomenon have started their careers at the St John’s Innovation Centre, including Autonomy Corporation plc, Jagex Ltd, Zeus Technology Ltd, Owlstone Ltd, Breathing Buildings Ltd, Scientia Ltd and Datanomic Ltd, among many others.

TechCube

techcu.be

Techspace provides fully adaptable office space for start-ups and small businesses with market-leading comms and networking as well as bookable meeting rooms and unique and relaxed social spaces where businesses can bounce ideas off of each other and grow through networking and collaborative thinking.

Situated directly adjacent to the Meadows, Techcube sits within the Summerhall Arts Complex striking a fine balance between technology and the arts that plays into the collaborative and creative nature of the project as a whole.

Tech-desking or “hot-desking” is also available to individuals or small businesses looking for the right space to develop their tech business.

Emphasising the inclination towards social, community and collaborative tech development, the community spaces on their ground-floor offer play host to tech and community events and conferences year round offering start-ups and entrepreneurs the means to grow and develop both individually and as part of a collaborative tech hub.

TechHub

www.techhub.com

TechHub is the global community for tech entrepreneurs and startups. It supports the growth of over 750 companies across the world, whether they're founders getting started, or fast-scaling 50 to 100-person teams.

TechHub's approach is different to that of an accelerator - it doesn't take equity, invest in or impose success metrics or membership time limits on its startups.

TechHub works exclusively with tech product startups and scale-ups by understanding the process they go through and the needs they have at each stage. TechHub supports startups across all stages of their development - from ideation to exit.

TechHub members build enterprise and consumer technology product businesses within a wide variety of industries and verticals including fintech, adtech and media, security, retail, edtech, entertainment, health and medtech, sport and many more.

Members benefit from the flexibility and freedom to build their businesses and develop their products how and when they want, with the consistent support of Tech Hub's dedicated teams and a community of like-minded peers.

techUK

www.techuk.org

techUK represents the companies and technologies that are defining today the world that we will live in tomorrow. More than 950 companies are members of techUK. Collectively they employ approximately 700,000 people, about half of all tech sector jobs in the UK. These companies range from leading FTSE 100 companies to new innovative start-ups. The majority of its members are small and medium-sized businesses.

techUK is committed to helping its members and the sector grow. It does this by helping members to:

- Develop Markets. techUK works with its members to identify and advance innovation in the key markets representing the most significant opportunities for growth both domestically and internationally.
- Develop Relationships and Networks. techUK helps companies broaden their network, build connections and deepen relationships with potential customers, partners and suppliers.
- Reduce Business Costs. techUK works with its members to identify and help shape key policy issues to optimise the industry's economic potential–both domestically and overseas.
- Reduce Business Risks. techUK affords unique insights on key issues to help members make more informed decisions—and ensure a competitive edge in their markets.

15 UK AI Journalists

UK AI Journalists


Rory Cellan-Jones


Madhumita Murgia


Jessica Davies


David McClelland


Ingrid Lunden


Mark Bridge


James Titcomb


Mike Butcher


Peter Judge


Alex Hern

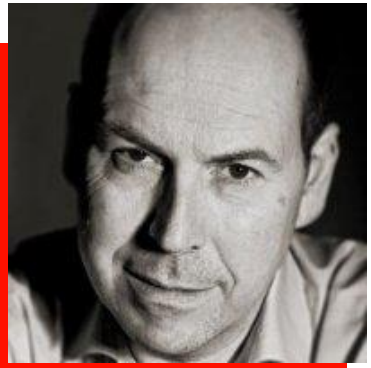

Andrew Orlowski


Mark Scott


Arjun Kharpal


Steve O'Hear


Tom Cheshire



Rory Cellan-Jones

Technology Correspondent at BBC, is an authoritative voice in the tech world.

Madhumita Murgia

Financial Times - European Technology Correspondent.

Jessica Davies

Digiday - UK editor, digital media reporter.

David McClelland

BBC, Silverstream TV, ITV Good Morning Britain. Reporting across consumer technology, cybercrime, mobile, and consumer affairs.

Ingrid Lunden

TechCrunch - News Editor,one of the most knowledgeable tech reporters in the UK.

Mark Bridge

Technology Correspondent at The Times.

James Titcomb

Technology Editor at Telegraph Media Group.

Mike Butcher

Editor At Large at TechCrunch, regular commentator on the tech business, appearing on the BBC, Sky News, and Channel 4.

Peter Judge

DataCenterDynamics - Global Editor

Alex Hern

Technology reporter for the Guardian, about general news, darknet, policy, internet culture.

Andrew Orlowski

British columnist, investigative journalist and the executive editor of the IT news and opinion website The Register.

Mark Scott

Chief Technology Correspondent at POLITICO covering the global collision of all-things digital with the political world.

Arjun Kharpal

Technology Correspondent at CNBC International.

"Tech Transformers" special report, covering the newest and most innovative developments in the technology sector.

Steve O'Hear

TechCrunch - Journalist, veteran technology journalist and entrepreneur who closely covers Europe's technology scene.

Tom Cheshire

Technology Correspondent at Sky News.

TV presenter who makes technology engaging for a broad audience.

20 UK AI
AI Conferences

UK AI
Conferences 2018

1. AI Assistant Summit (15-16 March 2018, London, UK)
2. Deep Learning in Retail & Advertising Summit (15-16 March 2018, London, UK)
3. Big Data Innovation Summit (21st - 22nd March 2018, London, UK)
4. AI Expo Global (18-19 April 2018, London, UK)
5. London Tech Week (11th - 17th June 2018, London, UK)
6. The AI Summit London (12th - 14th June 2018, London, UK)
7. RPA & AI for BSFI (9-11 July 2018, London, UK)
8. IntelliSys (6-7 September 2018, London, UK)
9. The AI Congress (11-12 September 2018, London, UK)
10. Innovation Summit 2018 Europe (20th September 2018, London, UK)
11. Deep Learning Summit London (20-21 September 2018, London, UK)
12. MACHINA Summit.AI (3-4 October 2018, London, UK)
13. Instant Expert: Artificial Intelligence (6 October 2018, London, UK)
14. O'Reilly AI Conference (8-11 October 2018, London, UK)
15. Insurance AI & Analytics Summit (9-10 October 2018, London, UK)
16. Air Events The Main Event (12 October 2018, London, UK)
17. TechNOVA: AI 2018 (15 October 2018, London, UK)
18. MINDS MASTERING MACHINES [M³] – THE ML AND AI CONFERENCE (15-17 October 2018, London, UK)
19. RPA & AI Summit (26-28 November 2018, London, UK)
20. BCS SGAI AI-2018 (11-13 December 2018, Cambridge, UK)

AI Assistant Summit

15-16 March 2018, London, UK

https://www.re-work.co/events/ai-assistant-summit-london-2018

RE•WORK combines the latest technological innovation with real-world applications and practical case studies.

AI Assistant Summit will showcase the opportunities of advancing trends in AI Assistants & their impact. Applying ML & deep learning to create AI Assistants & conversational interfaces to create deeper, more personalised one-to-one customer experiences.

Speakers: 30

Deep Learning in Retail & Advertising Summit

15-16 March 2018, London, UK

https://www.re-work.co/events/deep-learning-in-retail-summit-london-2018

RE•WORK creates and organises globally renowned summits, workshops and dinners, bringing together the brightest minds in AI from both industry and academia.

Deep Learning in Retail & Advertising Summit brings together leading innovators across industry, academia, retail & advertising. Speakers will share their most recent insights on technical advancements and retail applications including computer vision, image analysis & targeted marketing.

Speakers:

Big Data Innovation Summit

21st - 22nd March 2018, London, UK

https://www.theinnovationenterprise.com/summits/big-data-innovation-summit-london-2018

The Big Data Innovation Summit London 2018 schedule will bring together executives from the data community for two days of keynotes, panel sessions, discussions & networking. Topic areas covered include:

- Data Analytics Case Studies;
- Data Science: The extraction of knowledge from data
- Cultural Transformation: Driving the use of data
- Hadoop: Getting value from unstructured data
- Advanced Analytics: Solutions to predict future trends
- Customer Insights: Getting the most from your customer data
- Data Mining: Identifying behaviour
- GDPR Breakout
- & so much more

Speakers: 24

AI Expo Global

18-19 April 2018, London, UK

https://www.ai-expo.net/global/

The AI Conference & Exhibition taking place 18-19th April at London's Olympia is a showcase of next generation technologies and strategies from the world of Artificial Intelligence, an opportunity to explore and discover the practical and successful implementation of AI in driving forward your business in 2018 and beyond. 3 co-located events. 15 conference tracks. 12,000 attendees. 300+ speakers. 300+ exhibitors. The AI Expo will bring together over 2,000 visitors over the two days including IT decision makers, developers & designers, heads of innovation, brand managers, data analysts and scientists, start-ups and innovators, tech providers and venture capitalists.

The high-level conference will bring together forward-thinking brands, market leaders, AI evangelists and hot start-ups to explore and debate the advancements in Artificial Intelligence and the impacts within the Enterprise & Consumer sectors. Topics covered include Business Intelligence, Deep Learning, Machine Learning, AI Algorithms, Data & Analytics, Virtual Assistants & Chatbots as well as case study based presentations proving an insight into the deployment of AI across different verticals.

Speakers: 300+

London Tech Week

11th - 17th June 2018, London, UK

https://londontechweek.com/

London became the backdrop for a weeklong festival of tech and innovation once again in June 2018. Over 55,000 global attendees visited 250 plus crowdsourced events across London showcasing the very best in tech, talent and innovation across the city.

London Tech Week is proud to be supported by the most influential tech leaders in the industry; advocates of entrepreneurship and innovation, working to help shape the future of the festival.

Speakers: 27

The AI Summit London

12th - 14th June 2018, London, UK

https://theaisummit.com/london/

The AI Summit is the world's first and largest conference & exhibition to look at the practical implications of AI for enterprise organisations, the actual solutions that are transforming business productivity. The quality of the programme is unrivalled – the attendees will hear exclusive, inspirational presentations from acclaimed C-suite speakers representing the world's leading enterprises.

Dedicated to the practical implications of Artificial Intelligence for enterprises and brings together senior business leaders from 35+ countries.

Speakers: 400+

RPA & AI for BSFI

9-11 July 2018, London, UK

https://roboticsbfsi.iqpc.com/

Whist Robotic Process Automation and Artificial Intelligence is still just a buzzword in some industries, it is now a key competitive advantage in banking, insurance and financial institutions. There is no doubt that intelligent automation can help mitigate risk, compliance, fraud, anti-money laundering, claims, underwriting and open your business to a world of new opportunities.

RPA & AI for BSFI helps to discover how RPA alongside business process and machine learning technologies will open up a new business opportunities. As well collaborate with a diverse mixture of financial services leaders from banking to start-ups, C-suite to AI specialists.

Speakers: 50+

IntelliSys

6-7 September 2018, London, UK

http://saiconference.com/IntelliSys

IntelliSys provides a leading international forum that brings together researchers and practitioners from diverse fields with the purpose of exploring the fundamental roles, interactions as well as practical impacts of Artificial Intelligence (AI).

The goal of the conference is to be a premier venue for researchers and industry practitioners to share new ideas, research results and development experiences in various fields. It is one of the best respected conferences in the area of computer science.

Speakers:

The AI Congress

11-12 September 2018, London, UK

https://theaicongress.com/

The AI Congress is fast-becoming one of the most high-profile and successful AI events in the world. The inaugural AI Congress took place at the incredible O2 in London and was a huge success, receiving fantastic praise and feedback from its many high-level attendees.

The AI Congress brings together thousands of leading enterprises, tech companies, investors and thought leaders from across the globe. The AI Congress will look at how Artificial Intelligence and Deep Learning is changing society and the foundations of how we do business. The event will provide high level presentations, real life examples and hands on advice from business leaders of the industry's largest companies, discussing how they are benefiting from the advances of AI. Furthermore the event will feature a wide range of tech companies, investors and other key stakeholders in AI to provide a broad and balanced perspective of the latest challenges, opportunities and developments in the fast-moving world of Artificial Intelligence

Speakers: 100+

Innovation Summit 2018 Europe

20th September 2018, London, UK

https://events.economist.com/events-conferences/emea/innovation-summit-europe/?utm_source=EM1588_EVENTSAI&RefID=EM1588_EVENTSAI

The Economist Events' Innovation Summit will take place on September 20th, 2018 in London. Now in its 8th year, the summit continues to run successfully in destinations such as Chicago and Hong Kong and is coming to Europe for the second time in September.

Artificial intelligence and machine learning have become one of the hottest topics in business. An army of startups has been funded to pursue the commercial opportunities, whilst the bosses of big companies increasingly look to implement AI strategies at scale. The Economist Events' Innovation Summit will gather 150+ leading thinkers and practitioners to explore insights and strategies for successfully embracing AI and machine learning to build a truly intelligent company.

Speakers: 30

Deep Learning Summit London

20-21 September 2018, London, UK

https://www.re-work.co/events/deep-learning-summit-london-2018

Deep Learning Summit London is a unique opportunity to interact with business leaders, influential technologists, data scientists & entrepreneurs leading the deep learning revolution. Learn from & connect with 300+ industry innovators sharing best practices to advance the smart artificial intelligence revolution.

The summit will showcase the opportunities of advancing trends in deep learning and their impact on business & society.

Speakers: 60

MACHINA Summit.AI

3-4 October 2018, London, UK

https://www.ipexpoeurope.com/About

MACHINA Summit.AI will delve into how all Artificial Intelligence technologies (A.I), such as machine & deep learning, cognitive computing and analytics are currently affecting how the enterprise operates.

MACHINA Summit.AI will be launching at IP EXPO Europe, co-located with Cyber Security Europe on 4-5 October 2017 at London ExCeL. This event will explore how Data Analytics, AI and IoT technologies in the enterprise. Hear from industry leading speakers and discover new technologies from exhibitors across 2 days.

Speakers:

Instant Expert: Artificial Intelligence

6 October 2018, London, UK

https://www.eventbrite.co.uk/e/instant-expert-artificial-intelligence-tickets-49087910261?aff=ebdssbdestsearch

AI's reach has grown in ways most of us did not see coming, with knock-on effects ranging from an epidemic of misinformation, in which AI is being used to distort our sense of reality, to unprecedented levels of surveillance. Face recognition systems are rapidly being adopted by police forces and the military around the world, with big implications for privacy.

At this event, six expert speakers will guide you through the basics of AI, from conception to current successes, and introduce you to some of the biggest questions we now face.

Speakers: 7

O'Reilly AI Conference

8-11 October 2018, London, UK

https://conferences.oreilly.com/artificial-intelligence/ai-eu?cmp=kn-data-confreg-home-aieu18_search_adw&utm_medium=paid+search&utm_source=google&utm_campaign=aieu18&utm_content=search_adw

The Artificial Intelligence Conference brings the growing AI community together to explore the most essential issues and innovations in applied AI. The conference will delve into practical business applications, compelling use cases, rock-solid technical skills, tear-downs of successful AI projects, and dissections of failures in these key topic areas:

- AI in the enterprise: Executive Briefings, case studies and use cases, industry-specific applications
- The impact of AI on business and society: automation, safety, regulation
- Implementing AI projects: applications, tools, architecture, security
- Interacting with AI: design, metrics, product management, bots
- Models and methods: algorithms, vision/speech/emotion, deep learning, data, training

Speakers: 140

Insurance AI & Analytics Summit

9-10 October 2018, London, UK

https://events.insurancenexus.com/insuranceanalyticseu/

Insurance AI & Analytics Europe Summit is the most crucial meeting of 2018, where the brightest minds in the industry will join forces with AI heavyweights to discuss how AI and advanced analytics can be utilized to deliver unparalleled performance, business growth, and truly actionable insights.

With 350+ attendees and an agenda designed around AI practical applications and business strategies, Insurance AI & Analytics Europe 2018 is the only place to get the inspiration, insights and networking you need to succeed.

Speakers: 35+

Air Events The Main Event

12 October 2018, London, UK

http://air.events/mainevent/

The 3rd Annual AI & Robotics Main Event will address the broader strategic issues and explores the transformational impact of AI and robotics across industries and sectors. With a focus on innovation and investment, business growth and profitability, it provides an audit of key development areas.

On 12 October 2018, three of the world's most respected minds in AI, business change and technology/human interaction will come together to put the case for a positive AI-enabled future. They'll consider how AI could impact the business operations, world economies and human life for good or ill and, eschewing doom laden prophecies and idealised dreams, investigate what we can do to ensure technology remains humanity's life enhancing servant – not its master. The Defining Our Future Debate will be moderated by change management specialist Anton Fishman and customer management expert, Mike Havard.

Speakers:

TechNOVA: AI 2018

15 October 2018, London, UK

https://new.marketforce.eu.com/technova/events/artificial-intelligence/?utm_source=Google+Adwords&utm_medium=CPC&utm_campaign=SOI19+Google+Adwords

TechNOVA: AI offers a crucial opportunity to engage with those at the cutting edge of all AI tech, including machine learning, robotic process automation and neural networks. This artificial intelligence conference offers two stages, one focused on customer experience, the other on back-office transformation.

TechNOVA's super-bright, super-creative and super-fun industry analysts have built long-lasting relationships with the insurance industry, through which it is able to deliver exclusive content, meaningful business connections and, ultimately, amazing experiences, connecting you to the information and people you really want and need to know.

Speakers: 17

MINDS MASTERING MACHINES [M³] – THE ML AND AI CONFERENCE

15-17 October 2018, London, UK

https://www.mcubed.london/

M³ returns to London in 2018 to bring together experts in artificial intelligence, machine learning and data science to help architects, developers and CIOs get on the path to a more intelligent future.

Once again, the line-up of speakers will take you beyond the hype, showing you how to use the latest tools and frameworks, how to get your team up and running on AI and ML projects, and what the technological and ethical pitfalls are. Along the way, it will consider the implications of AI, machine learning, data science and robotics, for society and business.

Speakers: 45

RPA & AI Summit

26-28 November 2018, London, UK

https://www.rpaandaisummit.com/

RPA and Artificial Intelligence Summit combines scores of practical end-user case studies, multiple conference streams surrounding human workforce augmentation across the front and back-offices and over 15 hours of interactive sessions and networking.

Speakers: 67

BCS SGAI AI-2018

11-13 December 2018, Cambridge, UK

http://www.bcs-sgai.org/ai2018/

AI-2018 is the thirty-eighth Annual International Conference of the British Computer Society's Specialist Group on Artificial Intelligence (SGAI), which will be held in the attractive surroundings of Peterhouse College in Cambridge. This is the leading series of UK-based international conferences on Artificial Intelligence and the longest running AI conference series in Europe.

The Conference is aimed at those who wish to update themselves with news and views of recent developments, understand how other groups are applying the technology and exchange ideas with leading international experts in the field. The goal is to be a meeting place for the international artificial intelligence community. The two-track conference and the workshops are designed to provide a wide range of options for delegates, whether they are newcomers to the technology or seasoned practitioners.

Speakers:

20 UK AI Universities

UK AI Universities

UK AI Universities

1. University of Leeds	11. University of Bath
2. University of Birmingham	12. University of Edinburgh
3. University of Manchester	13. University of York
4. University of Surrey	14. King's College London, University of London
5. University of Cambridge	15. University of Sheffield
6. University of Oxford	16. Heriot-Watt University
7. University College London (UCL)	17. University of Nottingham
8. University of Southampton	18. Royal Holloway, University of London
9. Imperial College London	19. University of Kent
10. Loughborough University	20. University of Liverpool

University of Leeds

www.leeds.ac.uk

UNIVERSITY OF LEEDS

The University of Leeds, established in 1904, is one of the largest higher education institutions in the UK. The University is renowned globally for the quality of its teaching and research.

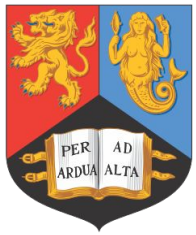
Its research is broadly based, covering several areas of robotics and artificial intelligence. Through this diversity the University of Leeds plays a leading role in the global trend towards the re-integration of artificial intelligence, particularly in developing synergies between the areas of:

- Knowledge representation and reasoning
- Computer vision
- Machine learning
- Natural language processing
- Augmenting human intelligence
- Sensible robots
- Robot manipulation

The University's research has greater impact through working in large multi-disciplinary teams, spanning other engineering disciplines, clinicians, large and small companies and the public-sector. Through these collaborations the University of Leeds is helping to transform construction, transportation, engineering design, security, health care, medical diagnoses, and the maintenance of city infrastructure.

University of Birmingham

www.birmingham.ac.uk



UNIVERSITY OF BIRMINGHAM

Birmingham has been challenging and developing great minds for more than a century. Characterised by a tradition of innovation, research at the University has broken new ground, pushed forward the boundaries of knowledge and made an impact on people's lives.

Birmingham has world-leading research in terms of originality, significance and rigour. It provides specialist teaching and is committed to supporting its graduates in establishing their careers. At a deeper scientific/mathematical level, Birmingham looks at the theory underpinning complex algorithms, or the difficulty of implementing solutions to complex problems in a provably reliable way. At the engineering level, Birmingham ensures that complex systems are built to appropriate standards, are properly tested and run efficiently. Then at the human level, it ensures that applications are easy to learn and use and are well matched to functional expectations.

The School of Computer Science at the University of Birmingham is committed to the student experience, offering student alumni mentoring, a dedicated welfare team and a dedicated careers and employability officer. It gives students the opportunity to study the artificial intelligence and robotics and techniques necessary to build autonomous systems that will be able to change the society for the better.

Birmingham's School of Computer Science is one of the leading centres for AI teaching and research in Europe, which enables it to offer an unusually rich and innovative programme for undergraduate study. The students will benefit from a dedicated robotics and vision laboratory with state-of-the-art equipment where they can work on practical exercises and projects.

University of Manchester

www.manchester.ac.uk

The University of Manchester is a truly global institution, with a reputation for education and innovation that resonates across the world. International businesses, charities, governments and universities turn to Manchester for its expertise. Whether it's leading the European renaissance in industrial biotechnology or helping to train midwives in developing countries, the University of Manchester provides the spark for positive change.

Manchester aims to provide a unique experience. Students will see how computer science is directly applicable to solving problems, across a broad range of areas. The emphasis throughout is on independent learning, supported by regular meetings in small groups with personal tutors. As well they receive practical help and support from experienced staff and postgraduates, with leading experts guiding their learning and stimulating their interest. This approach is supported by conventional lectures and comprehensive on-line learning resources. The University of Manchester also provides excellent facilities, including specialist laboratories to support areas such as engineering and robotics.Manchester allows students to design and develop all aspects of artificial intelligence systems. Students can make course unit choices that allow them to change between the Computer Science, Software Engineering, Artificial Intelligence and Distributed Computing programmes at the end of the first year.

Course units and themes of relevance to Artificial Intelligence include:

- Fundamentals of Artificial Intelligence.
- Artificial Intelligence Programming.
- Machine Learning and Games.
- Natural Language, Representation and Reasoning.
- Visual Computing.

University of Surrey

www.surrey.ac.uk

The University of Surrey was established in 1966 with the grant of its Royal Charter, but its roots go back to a late 19th-century concern to provide greater access to further and higher education for the poorer inhabitants of London.

Computer Vision, Robotics and Machine Learning is taught by academics from Surrey's Centre for Vision, Speech and Signal Processing (CVSSP). The Centre is internationally recognised for its research in computer vision, multimedia signal processing and machine learning. With a diverse community of more than 120 researchers, they are one of the largest and best respected vision research groups in the UK.

Computer Vision, Robotics and Machine Learning, will provide students with in-depth training and hands-on learning experiences. It is well suited to anyone who is interested in a career in research-oriented institutions or pioneering technology companies which focus on deep and machine learning, robotics and automation and image and video analysis.

On this course, students will cover advanced computer vision and machine learning approaches for image and video analysis, as well as low-level image processing methods. They will also have the opportunity to substantially expand their programming skills through the projects they choose take on.

University of Surrey links with innovative firms in machine learning, computer vision and gaming including Sony, Microsoft and the broader industry, where skills such as deep learning are in great demand.

University of Cambridge

www.cam.ac.uk

UNIVERSITY OF CAMBRIDGE

The University of Cambridge is one of the world's oldest universities and leading academic centres, and a self-governed community of scholars. Its reputation for outstanding academic achievement is known world-wide and reflects the intellectual achievement of its students, as well as the world-class original research carried out by the staff of the University and the Colleges.

The Department of Computer Science and Technology (The Computer Laboratory) is an academic department within the University of Cambridge that encompasses Computer Science, along with many aspects of Engineering, Technology and Mathematics. The department undertakes research in a broad range of subjects within the disciplines of Computer Science, Engineering, Technology, and Mathematics.

At present there are about 300 undergraduate and 59 MPhil students. A further 120 postgraduates are engaged in research for the PhD.

The work of the Artificial Intelligence Group is multi-disciplinary, spanning genomics and bio-informatics, computational learning theory, computer vision, and informal reasoning. A unifying theme is understanding multi-scale pattern recognition problems, seeking powerful (often statistical) algorithms for modeling and solving them, and for learning from data.

The AI Group seeks to find synergies amongst ideas based in statistics, mechanised reasoning, cognitive science, biology, and engineering, and to develop practical applications from them.

University of Oxford

www.ox.ac.uk

Oxford is a world-leading centre of learning, teaching and research and the oldest university in the English-speaking world. As the oldest university, Oxford is a unique and historic institution. There is no clear date of foundation, but teaching existed at Oxford in some form in 1096 and developed rapidly from 1167, when Henry II banned English students from attending the University of Paris.

Within AI, Machine Learning aims to build computers that can learn how to make decisions or carry out tasks without being explicitly told how to do so. Oxford has research strengths across a wide spectrum of AI and ML techniques.

In ML, Oxford develops fundamental ML techniques such as reinforcement learning and deep learning and build applications of these techniques in linguistics, robotics and information retrieval. Its researchers in knowledge representation develop techniques that allow it to capture knowledge about our world in a form that computers can process and reason about.

In the multi-agent systems domain, Oxford develops techniques that will enable computers to autonomously collaborate on complex problems. The University of Oxford works with industrial partners such as DeepMind to develop the applications of its work, and the theme has spawned a number of spin off companies, including Dark Blue Labs, Morpheus Labs, and Oxonomy.

University College London (UCL)

www.ucl.ac.uk

UCL is one of the world's leading universities, founded in London to open up education to all on equal terms. Today its outstanding research and innovative teaching drive entrepreneurial solutions to the world's major problems.

The core aim of the UCL Centre for Artificial Intelligence is to create new AI technologies and advise on the use of AI in science, industry and society. The Centre brings together researchers from across Computer Science with a shared interest in fundamental challenges in Machine Vision, Machine Learning, Machine Reading and Knowledge Representation.

The Centre runs a range of programmes at UCL including Masters programmes in Machine Learning and related topics in AI, with over 150 students from around the world. The Centre aims to support the AI industry through Continuing Professional Development programmes hosted at the Centre.

Members of the Centre have been active in making startups in the AI space. UCL will support fledgeling startups with an incubator within the Centre.

As well, UCL has a long tradition of excellence in AI and related topics, with close connections to academic groups in the Department of Statistical Science, The Gatsby Computational Neuroscience Unit and the Centre for Computational Statistics and Machine Learning.

University of Southampton

www.southampton.ac.uk

The University of Southampton is changing the world for the better, working with industry, governments and research institutions to make a global impact. Southampton's staff and students tackle real-world issues, making a difference to people's lives in the local community, across the UK and around the world.

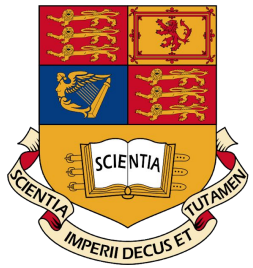
Artificial Intelligence is a long-established discipline at the University of Southampton with world-class researchers working in various elements of AI, including deep learning, intelligent agents, machine learning, game theory, evolutionary algorithms, complexity science, biometrics and machine vision.

Academics are also inspiring the next generation of experts through its highly successful MSc in Artificial Intelligence and undergraduate MEng degrees in Computer Science with Artificial Intelligence and Electronic Engineering with Artificial Intelligence. Recent MSc projects include skin cancer detection using machine learning and computer vision, deep learning for visual recognition of satellite imagery and real-time epilepsy prediction from brain signal analysis. Using computer vision techniques, Southampton's pioneering work in gait biometrics has had a significant impact on public policy, national security processes, forensic service practice and the economy.

The University of Southampton's Centre for Machine Intelligence (CMI) based within the Department of Electronics and Computer Science (ECS), draws together researchers and practitioners in AI, machine learning and autonomous systems to develop a coherent approach to research and technology transfer to impact our future society.

Imperial College London

www.imperial.ac.uk



Imperial College London

Imperial College London is the only UK university to focus entirely on science, engineering, medicine and business. Its international reputation for excellence in teaching and research sees it consistently rated in the top 10 universities worldwide.

Artificial Intelligence research in the Department of Computing at Imperial College London is centered around the study and development of intelligent, autonomous systems. Its research focuses on theoretical foundations as well as applications of AI.

Imperial College London's expertise ranges from machine learning to knowledge representation and reasoning, autonomous agents and multi-agent systems, human-machine interactions and collectives, cognition and human modeling, data science, robotics, augmented reality, graphics, computer vision and imaging, audio-visual signal processing, natural language processing and affective computing.

The AI@Imperial network brings together experts across engineering, science, healthcare and business, developing AI methods and systems and deploying them across a wide range of application domains. Imperial College London has a history of excellence in AI, starting from the seventies, and offers a wide range of expertise in AI research, spanning several departments.

Loughborough University

www.lboro.ac.uk

Throughout its history Loughborough University has built upon its distinctive characteristics. Today it is one of the country's leading universities, with a reputation for excellence in teaching and research, strong links with business and industry and unrivalled sporting achievement.

The Computer Science and Artificial Intelligence degree course is a computing degree that allows students to specialise in AI through their project work and a number of specialist AI modules.

The Computer Science and Artificial Intelligence course contains broad coverage of all major Computer Science topics as well as specialist modules in artificial intelligence, taught by world leading experts. Its research constantly feeds into its teaching curriculum meaning students will learn cutting edge techniques of this fascinating topic.

The first two years of the Computer Science and Artificial Intelligence course are identical to those of the Computer Science course. This provides sound foundations for the third year when topics such as robotics, intelligent agents, reasoning in uncertain systems, computer vision and neural networks are studied to an advanced level. Other third year options allow staff to teach to their own particular interests, which enables students to learn about the latest developments in established and emerging areas in the field.

University of Bath

www.bath.ac.uk

The University of Bath was established on Claverton Down in Bath in 1966. It offers courses in engineering, humanities, management, science and social science.

At the University of Bath students learn to use new knowledge to solve complex machine learning and autonomous systems problems. They develop a range of skills including the theory of machine learning, artificial intelligence, autonomous systems design and engineering, and the implications for humans of interacting more and more with intelligent and autonomous systems.

Students are taught by academics from the Department of Computer Science with expertise in machine learning, autonomous systems, artificial intelligence and human-computer interaction. Students study in a research-led department with a supportive postgraduate community. They learn in Bath's bespoke computer laboratory and are exposed to the latest ideas and technology. The department has strong links to industry both nationally and internationally.

Graduates from the department have gone on to work in a wide variety of sectors, including IT consultancy, software development, banking and education.

University of Edinburgh

www.ed.ac.uk

Edinburgh is one of the world's leading research universities, ranked fourth in the UK for research power. From Nobel laureates and Olympic champions to space explorers and prime ministers, the University of Edinburgh has been influencing history since it opened the gates to its first students in 1583.

AI MSc is taught at the UK's longest established centre for artificial intelligence, which remains one of the best in the world. Its research draws on neuroscience, cognitive science, linguistics, computer science, mathematics, statistics and psychology to span knowledge representation and reasoning, the study of brain processes and artificial learning systems, computer vision, mobile and assembly robotics, music perception and visualisation.

It aims to give students practical knowledge in the design and construction of intelligent systems so they can apply their skills in a variety of career settings. Edinburgh's students are well prepared for both employment and academic research. The emphasis is on practical techniques for the design and construction of intelligent systems, preparing graduates to work in a variety of specialisms, from fraud detection software to spacecraft control.

University of York

www.york.ac.uk

Founded on principles of excellence, equality and opportunity for all, the University of York opened in 1963 with just 230 students. Since then it has become one of the world's leading universities, carving out a reputation as an academic powerhouse where a clear focus on excellence has secured national and international recognition alongside longer established institutions.

UoY Artificial Intelligence Group's research is concerned with the theoretical principles of artificial intelligence and their practical application to real-world domains. Research focuses on four areas:

- Constraint programming to solve complex problems fully-automatically
- Machine learning, especially Bayesian network learning, statistical relational learning, inductive logic programming and reinforcement learning
- Natural language processing, especially learning of grammar, morphology and semantics; question answering systems; entity recognition and dialogue systems; information retrieval
- Games and interactive drama using a wide range of artificial intelligence techniques

The Group's research is strongly interdisciplinary with links into biology, human computer interaction, linguistics, psychology and biochemistry.

King's College London

www.kcl.ac.uk

King’s College London is one of the top 10 UK universities in the world. King’s has over 31,000 students (including more than 12,800 postgraduates) from some 150 countries and over 8,500 employees.

King’s Distributed Artificial Intelligence group explores the use of AI in social and economic contexts where an intelligent entity may be interacting with other entities. The group marries artificial intelligence expertise with social, political and economic theories and data to pursue research that has strong technological and societal relevance and benefit. It takes inspiration from tools and techniques in human societies for the engineering of effective decentralised technology, and develop computational models for analysing social, political and economic phenomena to improve the effectiveness and fairness of policy and practice.

The Artificial Intelligence MSc will prepare students for work developing intelligent software systems. Students can choose to study a wide-range of topics such as: Agents & Multi-Agent Systems, Pattern Recognition, Neural Networks and Deep Learning, Artificial Intelligence Planning, Nature-Inspired Learning Algorithms, Philosophy & Ethics of Artificial Intelligence, and Data Mining.

The MSc in Intelligent Systems exposes students to a wide range of other methodologies.The broad coverage of the programme offered by King's equips graduates with a more comprehensive set of methods for solving complex problems, for developing systems with artificial intelligence, and for studying biological intelligence.

University of Sheffield

www.sheffield.ac.uk

The University Of Sheffield.

Sheffield is a leading research university with a global reputation for excellence. It received its royal charter in 1905 as successor to the University College of Sheffield, which was established in 1897 by the merger of Sheffield Medical School (founded in 1828), Firth College (1879) and Sheffield Technical School (1884).

Sheffield's graduates of BSc/MComp in Artificial Intelligence and Computer Science are well placed to work on cutting-edge applications such as the semantic web, machine learning from massive data sets, robotics, speech and language technology, and the next generation of computer games.

The course focuses on AI, its relationship to biological intelligence and its use in engineering systems. Students will also investigate how AI is used in speech recognition, language processing and robotics. Core computer science and software engineering topics are combined with more specific AI topics. Some of the course is dedicated to the related areas of neuroscience, psychology and philosophy. In the third year, students carry out a research project linked to AI research already underway in the Department. Fourth-year students also undertake a piece of group research in the Darwin project, and have the option of taking part in Genesys Solutions, the student-run software company.

Another course combines two disciplines: cybersecurity and artificial intelligence (AI). There are taught modules in each of these disciplines and students will carry out a project that addresses a research problem (or problems) at the interface of the two.

Heriot-Watt University

www.hw.ac.uk

Founded in 1821, Heriot-Watt has a rich heritage and an established reputation as a leading research-led university and provider of education around the world.

Heriot-Watt University introduces the first post-graduate conversion programme in Artificial Intelligence (AI). This programme targets highly qualified graduates from non-computer science backgrounds who wish to make the transition into AI. The interdisciplinary nature of AI means that it is a field that is naturally of interest to graduates from non-CS backgrounds such as mathematics, linguistics, psychology, cognitive science and engineering disciplines. Heriot-Watt provides a 2-year integrated Masters programme which is tailored to the needs of graduates from non-CS backgrounds who wish to make the transition into AI.

MSc Artificial Intelligence aims to impart the understanding and skills to develop intelligent software applications, such as those involving evolutionary computation and learning. Students will develop skills in specialist areas with clear applications in industry - including data mining, pattern recognition and machine learning.

University of Nottingham

www.nottingham.ac.uk

University of Nottingham
UK | CHINA | MALAYSIA

Nottingham's first civic college was opened in the city centre in 1881, four years after the foundation stone was laid by former Prime Minister, W E Gladstone.

Computer Science with Artificial Intelligence course allows students to specialise in artificial intelligence while gaining a broad understanding of computer science, and they will have the skills to develop new methodologies and novel computational techniques for the creation of systems with human-like intelligence.

Students will study the philosophies surrounding artificial intelligence, and have a deep understanding of the moral debates concerning human-computer interaction, and the ethics of computerisation. They will be taught by world-leading academics, who practise at the forefront of computer science research and development, inspiring a number of optional modules for this course. Nottingham is one of the few institutions that have designed the curriculum recommended by the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronic Engineers (IEEE).

The first year will introduce students to the core aspects of computer science and artificial intelligence, including programming and algorithms, databases, and mathematics for computing. During the second year, students will build on this base of knowledge with further core and a range of optional modules, including image processing, human computer interaction, and application design. The third year focuses on an individual dissertation in a topic of student’s choice, as well as a further selection of advanced computer science modules.

Royal Holloway, University of London

www.royalholloway.ac.uk

Today's Royal Holloway is formed from two colleges, founded by two social pioneers, Elizabeth Jesser Reid and Thomas Holloway. Bedford College, in London, opened its doors in 1849, and Royal Holloway College's stunning Founder's Building was unveiled by Queen Victoria in 1886 – it's still the focal point of the campus. In 1900, the colleges became part of the University of London and in 1985 they merged to form what is now known as Royal Holloway.

Studying Machine Learning at Royal Holloway, University of London students will equip themselves with a set of crucial skills to assist in the development of the next generation of search and analysis technologies. Students will benefit from cutting-edge research-led teaching, with the department's research strengths including Algorithms and Applications, Machine Learning, Bioinformatics and others.

Royal Holloway's location close to the M4 corridor – otherwise known as 'England's Silicon Valley' – gives students the chance to benefit from networking and placement opportunities with some of the country's top technology organisations. The skills and knowledge students will develop will be in high demand by employers including Google, Facebook, Microsoft and Yahoo, and they will be well prepared to pursue a rewarding career.

University of Kent

www.kent.ac.uk

The University of Kent is one of the country's leading academic institutions producing world-class research, rated internationally excellent and leading the way in many fields of study. It is a forward-thinking research institution, committed to the transformative power of education and research and to the development and support of its students and staff.

BSc (Hons) degree covers the core elements of Computer Science as well as a broad range of AI techniques, including neural networks and evolutionary algorithms, which draw on philosophy and psychology. This programme has full Chartered IT Professional (CITP) accreditation from the BCS, The Chartered Institute for IT.

The programmes are taught by leading researchers who are experts in their fields. The School of Computing at Kent is home to several authors of leading textbooks, a National Teaching Fellow, an IET (Institute of Engineering and Technology) Fellow and two Association of Computer Machinery (ACM) award-winning scientists. Kent was awarded gold, the highest rating, in the UK Government's Teaching Excellence Framework.

The programme focuses on the technical aspects of computer science. Other areas covered include software engineering, network technology and human-computer interaction. Students learn how to develop software, program mobile devices and discover the underlying protocols on which the internet runs. The University of Kent also offers modules that allow students to gain practical experience. On its Kent IT Consultancy option, students learn how to become an IT consultant, providing computing support to local businesses while earning credits towards their degree.

University of Liverpool

www.liverpool.ac.uk

UNIVERSITY OF LIVERPOOL

The University of Liverpool is a globally-focused institution with partnerships throughout the world, including research institutes, universities, governments and industrial organisations.

The aim of the Data Mining and Machine Learning group is to investigate automated learning in intelligent systems by developing computational models and algorithms. Its expertise spans the core areas of data mining, pattern recognition, prediction, reinforcement and multi-agent learning, and learning to behave.

The scientific staff in the AI Section focuses on the theory and practice of building intelligent systems across core areas of artificial intelligence, including knowledge representation, data mining and machine learning, argumentation, robotics and autonomous systems, and verification. Research in the AI section mainly builds on computer science but also has an interdisciplinary flavour by taking inspiration from fields such as economics, biology, mathematics, and engineering. The AI section has several externally funded research projects (UK and EU funding), and also engages in applied industry-driven research projects (e.g. law, robotics, pharmaceutical companies).

The AI section is involved in a state-of-the-art robotics laboratory named smARTLab (swarms, multi-agent and robot technologies, and learning Lab). smARTLab has two large experimentation facilities for research and development of ground robots and unmanned aerial vehicles (UAVs).

11 UK AI Research Institutes

11 UK AI Research Institutes

1. Ada Lovelace Institute
2. Artificial Intelligence Applications Institute
3. Centre for Intelligent Systems and their Applications
4. Earlham Institute
5. Future of Humanity Institute
6. Institute for Adaptive and Neural Computation
7. Institute of Perception, Action and Behaviour
8. Open Data Institute
9. Oxford Robotics Institute
10. Strategic Artificial Intelligence Research Centre
11. The Alan Turing Institute

Ada Lovelace Institute

www.adalovelaceinstitute.org

The Ada Lovelace Institute is an independent research and deliberative body with a mission to ensure data and AI work for people and society. Ada offers expert, independent commentary on the ethical and social implications of data, AI and related technologies, to inform the thinking of governments, industry, public bodies and civil society organisations in the UK and globally.

It seeks to promote more informed public understanding of the impact of these technologies on different groups in society, guide ethical practice in their development and deployment, and undertake research to lay the foundations for a data-driven society with well-being at its core.

The first of its kind in the UK, the Ada Lovelace Institute will:

- Build evidence and foster rigorous research and debate on how data and AI affect society as a whole, and different groups within it.
- Convene diverse voices to create a shared understanding of the ethical issues arising from data and AI.
- Define and inform good practice in the design and deployment of data and AI.

Ada will provide expert, independent commentary on the ethical and social impacts of data, algorithms and AI, to inform the thinking of governments, industry, public bodies and civil society organisations in the UK and globally. The Institute was established by the Nuffield Foundation in early 2018, in collaboration with the Alan Turing Institute, the Royal Society, the British Academy, the Royal Statistical Society, the Wellcome Trust, the Omidyar Network for Citizens and Governance, techUK and the Nuffield Council on Bioethics.

Artificial Intelligence Applications Institute

ARTIFICIAL_INTELLIGENCE-APPLICATIONS-INSTITUTE

www.aiai.ed.ac.uk

Artificial Intelligence Applications Institute (AIAI) is a technology transfer organisation that promotes the application of Artificial Intelligence research for the benefit of commercial, industrial, and government clients. AIAI has considerable experience of working with small innovative companies, with research groups in larger corporations, and with government agencies.

AIAI was formed in 1984, but since 2011 AIAI is part of the Centre for Intelligent Systems and their Applications (CISA) within the School of Informatics at the University of Edinburgh. AIAI and its members continue to make available its resources, educational materials and expertise to government agencies, commercial organisations and other educators. Applied AI work, commercial and collaborative projects within CISA and beyond continues to be performed by staff, students and collaborators involved with AIAI.

The School of Informatics at the University of Edinburgh offers a wide range of undergraduate and postgraduate degrees in Artificial Intelligence, Cognitive Science, Computational Linguistics, Computer Science, Software Engineering and Robotics.

AIAI specialises in Intelligent Systems - systems making use of the knowledge of experts, or systems that learn knowledge from data. As well AIAI provides a "Massive Open Online Course" (MOOC) on AI planning.

Centre for Intelligent Systems and their Applications (CISA)

cisa | Centre for Intelligent Systems and their Applications

web.inf.ed.ac.uk/cisa/

The Centre for Intelligent Systems and their Applications (CISA) is a small but dynamic community of researchers interested in computer systems that can reproduce or complement human abilities, work with people, and support collaboration between humans.

It has an international track record in addressing real-world problems in healthcare, scientific collaboration, social computing, emergency systems, transportation, engineering, aerospace and others. CISA is one of six research institutes within the School of Informatics at the University of Edinburgh. Interested people contact CISA for:

- Human-like cognitive computing: systems that emulate human cognition in human-understandable ways
- Intelligent collaborative systems: systems that collaborate with people and/or support collaboration among humans
- Foundations of Artificial Intelligence: computational methods to describe emergence of meaning, theory and ontology change, creativity, mathematical proof
- CISA hosts several research groups that conduct cutting-edge research in areas such as automated reasoning, intelligent agents, automated planning, and data-intensive research.

These groups collaborate closely with other AI institutes in Informatics, ILCC, IPAB, and IANC, and with the LFCS, are involved in the Centres for Doctoral Training on Data Science, Pervasive Parellelism, and Robotics and Autonomous Systems, and in initiatives such as the Security and Privacy Group. CISA has close collaborative links to the Farr Institute, the Edinburgh Parallel Computing Centre, the School of GeoSciences, and the Institute for the Study of Science, Technology and Innovation.

Earlham Institute

www.earlham.ac.uk

The Earlham Institute (EI) is a research institute focused on exploring living systems by applying computational science and biotechnology to answer ambitious biological questions and generate enabling resources.

The Earlham Institute combines cutting-edge technologies with world-class expertise to deliver the next frontier in scientific research. It hosts a UK National Capability in Genomics, strategically funded by BBSRC, to promote the application of genomics and bioinformatics to advance bioscience research and innovation. Partnering with industry, The Earlham Institute looks to share its knowledge, develop new intellectual property and create new technologies.

By partnering closely with HPC technology leaders, EI boasts world-class compute and storage infrastructure that allows its scientists to undertake some of the most challenging data-intensive research in the fields of genomics and biosciences.

High-Performance Computing technology allows EI's scientists to both store and analyse the huge amounts of data that are characteristic of modern genomics research. The Earlham Institute generates and stores over 10 Terabytes of new data per week, while the thousands of processing compute cores and Terabytes of RAM on its HPC supercomputers allow computational tasks to finish in hours or days rather than the months or years on standard desktop computing resources.

The Earlham Institute develops a variety of tools to support the life sciences across data management and analysis.

Future of Humanity Institute

www.fhi.ox.ac.uk

Future of Humanity Institute is a multidisciplinary research institute at the University of Oxford. Academics at FHI bring the tools of mathematics, philosophy, social sciences, and science to bear on big-picture questions about humanity and its prospects. The Institute is led by founding Director Professor Nick Bostrom. Future of Humanity Institute's mission is to shed light on crucial considerations that might shape our future.

Researchers at the Future of Humanity Institute have originated or played a pioneering role in developing many of the concepts that shape current thinking about humanity's deep future. These include: existential risk, astronomical waste, the simulation argument, nanotechnology, the great filter, infinitarian paralysis, prediction markets, and analysis of superintelligence, brain emulations scenarios, human enhancement, transhumanism, and anthropics.

Future of Humanity Institute works closely with the Centre for Effective Altruism, DeepMind, OpenAI, the Machine Intelligence Research Institute, the Leverhulme Centre for the Future of Intelligence and the Cambridge Centre for the Study of Existential Risk. Its researchers regularly give advice to philanthropic foundations, industry leaders and governments.

The Governance of AI Program strives to help humanity capture the benefits and mitigate the risks of artificial intelligence. Its focus is on the political challenges arising from transformative AI: advanced AI systems whose long-term impacts may be as profound as the industrial revolution. The Program seeks to guide the development of AI for the common good by conducting research on important and neglected issues of AI governance, and advising decision makers on this research through policy engagement.

Institute for Adaptive and Neural Computation (ANC)

www.anc.ed.ac.uk

The Institute for Adaptive and Neural Computation (ANC) fosters the study of adaptive processes in both artificial and biological systems. ANC was formed in 1998 when the School of Informatics was created out of five previous departments and centres.

The Institute encourages interdisciplinary and collaborative work bringing together the traditional disciplines of neuroscience, cognitive science, computer science, mathematics and statistics. Combined study of the adaptive nature of artificial and biological systems facilitates the many benefits accruing from treating essentially the same problem from different perspectives.

ANC group is interested in a broad range of theoretical aspects of machine learning as well as applications. Much of the current excitement around machine learning is due to its impact in a broad range of applications. The applications considered in their research include astronomy, systems biology, neuroscience, natural language processing, robotics, and computer vision.

A principal theme is the study of artificial learning systems. This includes theoretical foundations (e.g. statistical theory, information theory), the development of new models and algorithms, and applications. A second principal theme is the analysis and modelling of brain processes at all levels of organization with a particular focus on theoretical developments which span levels. Within this theme, research areas are broadly defined as the study of the neural foundations of perception, cognition and action and their underlying developmental processes. A secondary theme is the construction and study of computational tools and methods which can support studies in the two principal themes, such as in the analysis of brain data, simulation of networks and parallel data mining.

Institute of Perception, Action and Behaviour (IPAB)

web.inf.ed.ac.uk/ipab

The Institute of Perception, Action and Behaviour is one of 6 research institutes within the School of Informatics at the University of Edinburgh.

Formed in 1998 the main activities of Institute of Perception, Action and Behaviour are:

- undertaking research into robotics, computer vision, computer graphics, machine learning and related topics
- providing supervision and a research environment for the PhD/MPhil/MSc(Research) research students and annual MSc/UG4 student projects
- hosting a weekly IPAB seminar/workshop and occasional Institute topical workshops

The Institute of Perception, Action and Behaviour explores in both theory and practice how can we link computational perception, representation, transformation and generation processes to external worlds. The domains include bio-mimetic robotics, computer-based visual perception, dynamic control of the interaction of robotic systems with their environment or each other, computer-based generation of external phenomena, such as images, music or actions, and agent-based interaction with other agents or humans, as in computer games and animation.

IPAB is made up of 9 research groups: Advanced Robotics; Autonomy and Decisions; Graphics and Visualisation; Insect Robotics; Learning and Motor Control; Machine Intelligence; Machine Vision; Visual Computing; Visual Learning.

Open Data Institute

theodi.org

The ODI was co-founded in 2012 by the inventor of the web Sir Tim Berners-Lee and artificial intelligence expert Sir Nigel Shadbolt to show the value of open data, and to advocate for the innovative use of open data to affect positive change across the globe.

The ODI is an independent, non-profit, non-partisan company that, since its creation, has welcomed high-profile board members including Mumsnet founder Justine Roberts, Lastminute.com founder Baroness Martha Lane Fox and former European Commissioner Neelie Kroes.

The ODI works with companies and governments to build an open, trustworthy data ecosystem.

To further its mission, the ODI strives to bring about sustainable behaviour change within companies and governments that hold and use data. It does this through three key activities:

- Sector programmes – coordinating organisations to tackle a social or economic problem with data and an open approach.
- Practical advocacy – working as a critical friend with businesses and government, and creating products they can use to support change.
- Peer networks – bringing together peers in similar situations to learn together.

The ODI advocates for and supports practices that increase trust and trustworthiness: building ethical considerations into how data is collected, managed and used; ensuring equity around who can access and use data; engaging widely with affected people and organisations.

Oxford Robotics Institute

ori.ox.ac.uk

Oxford Robotics Institute (ORI) is built from collaborating and integrated groups of researchers, engineers and students all driven to change what robots can do for us.

The Institute's current interests are diverse – from flying to grasping, from inspection to running, from haptics to driving, from exploring to planning. This spectrum of interests has ORI researching a broad span of technical topics – machine learning and AI, computer vision, fabrication, multispectral sensing, perception, systems engineering to name a few. The ORI is part of the Information Engineering Research Cluster in the Department of Engineering Science.

The Applied AI Lab (A2I) explores core challenges in AI and Machine Learning to enable robots to robustly and effectively operate in complex, real-world environments. The A2I's research is guided by its vision to create machines which constantly improve through use in their dedicated workspace. In doing so the A2I explores a number of intellectual challenges at the heart of robot learning such as machine introspection in perception and decision making, data efficient learning from demonstration, task-based and transfer learning and the learning of complex tasks via a curriculum of less complex ones. All the while its intellectual curiosity remains grounded in real-world robotics domains such as autonomous driving, logistics, manipulation or space exploration.

Strategic Artificial Intelligence Research Centre

www.fhi.ox.ac.uk/research/research-areas/strategic-centre-for-artificial-intelligence-policy

FHI houses the Strategic AI Research Centre, a joint Oxford-Cambridge initiative developing strategies and tools to ensure artificial intelligence (AI) remains safe and beneficial. The Centre has two primary lines of research, 'technical' and 'strategic.'

The first line of research aims to solve the technical challenges of building AI systems that remain safe even when highly capable. Examples of this kind of research can be found in FHI's previous work, such as the reinforcement learning approaches used in our recent paper with DeepMind and those used in our collaboration with Stanford. Other ideas for AI safety research are included in research agendas such as Concrete Problems in AI Safety by Google Brain and Aligning superintelligence with human interests: a technical research agenda by the Machine Intelligence Research Institute.

The second line of research aims to understand and shape the strategic landscape of long-term AI development. Examples of this kind of research include determining optimal levels of research openness, commitment structures that would prevent arms races between groups, the possible dynamics of an intelligence explosion, and the extent to which inputs like hardware and software will contribute to long-run AI development. Research in this area has utilised a diverse set of methods from game theory, microeconomics, forecasting, agent based modelling, and Bayesian inference, typically informed by results in machine learning, neuroscience, biological evolution, and the social sciences. Recent papers in this area include Strategic Implications of Openness in AI Development by Nick Bostrom and Algorithmic Progress in Six Domains by Katja Grace.

The Alan Turing Institute

www.turing.ac.uk

The Alan Turing Institute is the national institute for data science and artificial intelligence, with headquarters at the British Library. Five founding universities – Cambridge, Edinburgh, Oxford, UCL and Warwick – and the UK Engineering and Physical Sciences Research Council created The Alan Turing Institute in 2015. Eight new universities – Leeds, Manchester, Newcastle, Queen Mary University of London, Birmingham, Exeter, Bristol, and Southampton – joined the Institute in 2018.

The Alan Turing Institute undertakes research which tackles some of the biggest challenges in science, society and the economy. It collaborates with universities, businesses and public and third sector organisations to apply this research to real-world problems, with lasting effects for science, the economy, and the world we live in.

Being a national institute enables the Institute to deliver benefits that a single university could not deliver alone. It breaks down disciplinary boundaries; at the Turing, computer scientists, engineers, statisticians, mathematicians, and scientists work together under one shared goal, with no departmental boundaries.

The Alan Turing Institute is a collaborative hub, with roots in universities and centres of research excellence across the UK, and strong links to a growing network of industry, public sector, and third sector partners.

Crucially, The Alan Turing Institute is a convening power, bringing together the best talent in the data science and AI community to speak to industry, policy-makers, and the public. Its mission is to make great leaps in data science and artificial intelligence research in order to change the world for the better.