

Member Biographies



Co-Chair - Professor Brooke Rogers

Professor Brooke Rogers OBE is a Professor of Behavioural Science and Security at King's College London. Professor Rogers is a social psychologist interested in risk communication, public and practitioner attitudes to, perceptions of, and responses to health and security risks and threats. Her research explores psychological and behavioural responses to low likelihood, high-impact events such as chemical, biological, radiological and nuclear (CBRN) incidents; community and organisational resilience; protecting crowded places; risk communication with vulnerable groups, and more.

Professor Rogers chairs the Cabinet Office National Risk Assessment/National Security Risk Assessment Behavioural Science Expert Group (BSEG), as well as the Home Office Science Advisory Council (HOSAC). She is an independent participant on the Science Advisory Group for Emergencies (SAGE) and is co-chairing the behavioural science sub-group (SPI-B) during the COVID-19 pandemic. Professor Rogers contributes to a range of local, national, and international committees, including the Prime Minister's Council for Science and Technology (CST).



Co-Chair - Professor Guy Nason

Professor Guy Nason is Chair in Statistics and Head of the Statistics Section in the Department of Mathematics at Imperial College London. He is also on the Board of Imperial College's cross-faculty IX strategic initiative on "Human and Machine Learning". Professor Nason has broad research interests covering the theory, methods, computing and applications in statistics and machine learning. He is known for his work in time series analysis, forecasting, multiscale methods, projection pursuit/ICA, networks, behavioural data, timing, inflation estimation, governance of national statistics systems and statistical fraud detection.

Professor Nason is current chair of the International Prize in Statistics Foundation; member of the Scientific Advisory Committee of Insight: Science Foundation Ireland's Centre for Data Analytics; Board Member of the International Centre for Mathematical Sciences, Edinburgh; member of the Advisory Panel on Consumer Prices (Technical) for the UK Statistics Authority and member of the Royal Statistical Society's COVID-19 taskforce. Until recently he was member of Research England's Research Excellence Framework 2021 panel for Mathematics, a Vice-President of the Royal Statistical Society and member of the Council for the Mathematical Sciences.



Dr Paul Grasby

Professor Grasby is a Research to Practice Fellow in the Centre for Research and Evidence on Security Threats and holds an Honorary Professorship in the School of Government and Society, University of Birmingham. He is a fellow of the Academy of Medical Sciences and his current research interests are the application of social and behavioural science to terrorism and counter terrorism responses. From 2008 to 2016 Professor Grasby led a team of social scientists undertaking counter terrorism research and analysis in the Home Office. Prior to joining the Home Office, he held a Professor of Psychiatry post at Imperial College for many years.



Professor Mark Watson-Gandy

Professor Mark Watson-Gandy is the Chair of the Biometrics and Forensic Ethics Group. The BFEG provides independent ethical advice to Home Office Ministers on issues related to the collection, use, and retention of biometric and forensic material. The BFEG also advises on ethical issues in the use of large and complex data sets and projects using explainable data-driven technology. Professor Mark Watson-Gandy was called to the Bar of England and Wales in 1990. He is a tenant at Three Stone Chambers, a leading commercial chancery barristers' chambers in Lincoln's Inn. He is one of the Ministry of Justice pro bono "GREAT Legal Services" Champions who promote the UK's legal services offering internationally. He is a Visiting Professor at the University of Westminster and at the Université de Lorraine in France. He was appointed to the Court of the University of Essex in 2015. Until September 2020, he was chair of Mental Health First Aid England, a spin out from the Department of Health charged with raising the nation's mental health literacy.



Professor David Delpy

Professor Delpy is Emeritus Professor of Medical Photonics in the Department of Medical Physics and Biomedical Engineering at University College London (UCL). After working for Darchem Ltd, Professor Delpy came to UCL to work on the development of sensors for use in new-born infants. He is best known for developments of NIR Spectroscopy and Imaging of brain oxygenation. Many companies have marketed devices developed by him and his team.

At UCL, he was Head of Department for seven years followed by seven years as Research Vice Provost. In 2007 he left UCL to become the CEO of the Engineering and Physical Sciences Research Council, stepping down in 2014. He was then Chair of the Defence Scientific Advisory Council from 2014 to 2017 and Chair of the

Strategic Advisory Board for the UK National Quantum Technologies Programme from 2014 to 2019. He is a Fellow of the Royal Society, the Royal Academy of Engineering, and the Academy of Medical Sciences and is a member of many Advisory Committees for universities, professional Institutes and National Academies.



Professor Helen Margetts OBE

Helen Margetts is Professor of Society and the Internet at the University of Oxford, and Director of the Public Policy Programme at the Alan Turing Institute for Data Science and Artificial Intelligence.

She has researched and written extensively about the relationship between technology, politics, public policy and government. She has presented her work all over the world and is passionate about maximizing the policy impact of her research. In 2018 she was awarded an OBE in the Queen's New Year's Honours List for services to social and political science.



Professor Hugh Griffiths OBE FREng

Professor Griffiths holds the THALES/Royal Academy of Engineering Chair of RF Sensors at University College London, and is Chair of the Defence Science Expert Committee (DSEC) in the Ministry of Defence. His expertise lies in defence and security, especially in radar, sensors, antennas and signal processing.



Professor Shane Johnson

Shane D Johnson is Director of the Dawes Centre for Future Crime at UCL and co-director of the EPSRC-funded Centre for Doctoral Training in Cybersecurity at UCL. His research has focused on reducing crime through design, predictive policing, the application of complexity science to issues of crime and security and developing the evidence base of what works to reduce crime. His current interests focus on how developing technology and social change are influencing new forms of crime opportunity.



Dr Owen Bowden-Jones

Owen Bowden-Jones is a Consultant in Addiction Psychiatry and Honorary Professor at University College London. National roles include Chair of the Advisory Council on the Misuse of Drugs (ACMD) and clinical adviser to the Alcohol, Drugs and Tobacco division, Public Health England. Research interests include emerging drug harms, particularly in young people. Professor Bowden-Jones has led the development of national clinical guidance and associated e-learning for novel psychoactive substances. He is a board member of the Society on the Study of Addiction (SSA) and the International Society for the Study of Emerging Drugs (ISSED).



Professor David C Lane

Prof Lane specialises in strategic analysis using system dynamics, systems thinking and other OR/MS approaches. He has 35 years of experience helping senior managers to think through the long-term policies of their organisation. David Lane studied Mathematics at the University of Bristol and he obtained a Master of Science degree in 'Mathematical Modelling and Numerical Analysis' from the University of Oxford. He went on to obtain a Doctorate (D.Phil.) in mathematical biology, under the supervision of James D. Murray.

He was a consultant in Shell Int. and a marketing manager in Shell UK. He was previously at City University Business School and then London School of Economics and Political Science. He has consulting and executive education experience in a range of commercial and public sector/government organisations. A member of the Home Office Science Advisory Council (HOSAC), he provides independent advice to improve the quality of the science and research informing policy development and implementation. In 2020 Professor Lane got the System Dynamics Application Award for his public health related epidemiological modelling work on norovirus, conducted for the Food Standards Agency



Professor Jonathan Shepherd CBE FMedSci FLSW

Jonathan Shepherd is professor at Cardiff University's Crime, Security and Intelligence Innovation Institute which he co-founded. He is a clinical academic and professor emeritus of maxillofacial surgery. He is expert in the causes; physical, psychological and economic impact; and prevention of violence and alcohol related harm. His research and advocacy led to recognition of violence as a public health

issue, and to new violence prevention strategies including the Cardiff Model for Violence Prevention. Adopted by the WHO and the Centres for Disease Control and Prevention in the United States, this has been widely implemented overseas as well as in the UK. He initiated and chaired the prototype Community Safety Partnership - Cardiff's Violence Prevention Board which has also been widely replicated.

He initiated and helped develop the College of Policing and the Probation Institute - new UK professional bodies modelled on his own professional home, the Royal College of Surgeons of which he is a fellow. He initiated and convened the Evidence Summit at the Institution of Civil Engineers, the signing at the Royal Society of the Evidence Declaration which he drafted, and the Balliol Symposium on evidence and guidance - events chaired by the former Cabinet Secretary, Lord O'Donnell. Professor Shepherd is a fellow of the Academy of Medical Sciences on whose council he has served, and the Learned Society of Wales. He is an honorary fellow of the Royal College of Psychiatrists in recognition of his innovations in the treatment of alcohol abuse and PTSD, and an honorary fellow of the Royal College of Emergency Medicine. He was the first UK recipient of the Stockholm Criminology Prize.



Professor Brian Bell

Brian Bell is a Professor of Economics at King's Business School, a faculty of King's College London. He joined KCL in 2017, following 4 years as an Associate Professor in the Department of Economics at Oxford University and a Tutorial Fellow at Lady Margaret Hall, Oxford. He is a Research Associate at the Centre for Economic Performance at the London School of Economics. Professor Bell is a leading labour economist who is widely published, and his work on immigration has included papers examining the progress of immigrants in the labour market in the UK, and the impact of immigration on crime in the UK. He has also worked extensively outside academia, including at the Bank of England, the International Monetary Fund, and in a number of financial companies in the UK.

Professor Bell has previously served as a member of the Police and National Crime Agency Remuneration Review Bodies. Professor Bell was appointed chair for Migration Advisory Committee in July 2020.



Professor David Main

Chair of the Animals in Science Committee since 1st March 2019. David is a Professor of Production Animal Health and Welfare at the Royal Agricultural University and formerly Professor of Animal Welfare, University of Bristol. A veterinary surgeon, Professor Main has research interests in welfare assessment, intervention strategies to improve welfare, and animal welfare education. He has been involved in several large collaborative projects including AssureWel that introduced welfare outcome assessment into UK certification schemes and EU WelNet, a network of welfare scientists that provided welfare advice to the European Commission.



Dr Gabriella Spinelli

Dr Gabriella Spinelli is a Reader in Design in the College of Engineering, Design and Physical Science at Brunel University London. Dr Spinelli researches and explores resilience as the outcome of the interplay between technology, health and wellbeing, and society. With a background in Computer Science and Information Systems, she analyses, evaluates, and redesigns complex systems from Intelligence management and Command and Control operations in Policing, to technology platforms enabling civic participation and community development. Through a socio-technical approach, Dr Spinelli focuses on the development of innovative technology and products that are intuitive and effective by supporting people in representing, and processing information, to make decisions and execute tasks. She is an expert in the application of user-centred design approaches and methods. She teaches Human Factors and leads a collaborative design engineering programme with the NHS to improve care outcomes, patients' and staff experience and contribute to sustainable healthcare.

She is a peer in the EPSRC Review College, a Fellow of the Royal Society of Medicine (FRSM) and of the Royal Society of Arts, Manufactures and Commerce (FRSA), and a Fellow of the Higher Education Academy (FHEA).



Ollie Whitehouse

Ollie Whitehouse holds the executive committee role of Group CTO at the London Stock Exchange listed NCC Group PLC where he is responsible for technical strategy, research & development. He has over 25 years of applied experience in cyber security working in consultancy, applied research and engineering.

Ollie has been an appointed advisor to a number of central government departments on matters of research, science and technology since 2013. He was invited to give

oral evidence to the UK's parliamentary Joint Committee on National Security Strategy (JCNSS) in 2017 on matters related to cyber security.

Ollie's innovations have resulted in 8 awarded patents and his scientific work is in the broad area of cyber security and computer science.



Professor Tom Kirchmaier

Prof Tom Kirchmaier is an Economist by training, and currently the Director of the Policing and Crime research group at the Centre for Economic Performance of the London School of Economics. He and his group are focusing on understanding the full spectrum of questions relating to policing and crime, with a special focus on Police Organizational Efficiency, Demand Prediction, Anti-money Laundering and Organised Crime, Domestic Abuse, as well as Serious Violence (Knife Crime, Gangs, and Drug Markets). He works with very large datasets from the police and other sources. Prior to the CEP, Tom was with the Financial Markets Group of the LSE, and the Manchester Business School. Tom holds a PhD from the LSE (CEP).



Professor Tushna Vandrevalla

Professor Tushna Vandrevalla is Professor of Health Psychology at Kingston University London. Her expertise includes health promotion, risk perception, behavioural change and health communication in under-served and hard-to-reach groups (ethnically diverse groups, migrant groups, undocumented migrants, refugees, asylum seekers and undocumented migrants, homeless, LGBTQ) and those at lifespan transitions (such as pregnant women, older people). Additionally, she has a long-standing interest and expertise in workforce development in professionals working in adult health and social care. She is interested in health inequalities, inclusivity, equality, diversity and inclusion, and has expertise in developing and evaluating outreach interventions with real world relevance.

She was Honorary Secretary and a member of the Executive Committee to the British Society of Gerontology from 2018 to 2021 and is a participant of the Independent Scientific Pandemic Insights Group on Behaviours (SPI-B), sub-group of Scientific Advisory Group for Emergencies (SAGE).