Member Biographies

Professor Dave Petley (Interim Chair)
Vice-President for Research & Innovation
The University of Sheffield

Professor Dave Petley is Vice-President for Research & Innovation at the University of Sheffield, having previously been Pro-Vice-Chancellor for Research & Enterprise at the University of East Anglia.

Dave is a Geographer and Earth Scientist, with his research focusing on landslides. He works in particular on the understanding of landslide mechanics through both state of the art monitoring of their movement using field instrumentation and the development of novel lab testing approaches.

Dave has held a number of external roles, and sat on the Council of the Royal Geographical Society for six years. He has worked extensively with governments, the military, mining companies, the oil industry and the insurance sector.

Martin Burnham
Managing Director - IIDEA Ltd, on the AMP
Chairman - Independent Forgings & Alloys Ltd, Sheffield
Nuclear AMRC Board member. [Representing T2 MEMBERS]

Martin is a passionate supporter of UK Manufacturing, its capability, promise and future, particularly in the Sheffield City Region.

He is a Chartered Engineer with career experience of Metallurgy, hot metals processing, and redeveloping businesses. He is now developing businesses in CNC and Additive Manufacturing.

Professor Paul Dimitri BSc, MBChB, FRCPCH, PhD
Consultant in Paediatric endocrinology & Director of Research and Innovation,
Sheffield Children’s NHS Foundation Trust
Professor of Child Health, Sheffield Hallam University
NIHR National Children’s Specialty Lead
Clinical Director, NIHR Children & Young People MedTech Co-operative

Professor Paul Dimitri works at Sheffield Children’s NHS Foundation Trust as a Professor of Child Health, Consultant in Paediatric Endocrinology and Director of Research & Innovation. Paul is the NIHR Clinical Research Network National Children’s Specialty Lead providing strategic direction and leadership for 15 regional clinical research networks for children, the Divisional Lead for the NIHR Yorkshire & Humber Clinical Research Network, the Director of the NIHR Children & Young People MedTech Co-operative, and the Clinical Director for the National Technology Innovation Transforming Child Health (TITCH) Network. Paul has led
on the development and implementation of national technology networks that specifically focus on the development and adoption of technology for paediatrics and child health through private and public sector collaboration, to ensure children and young people receive the best and most advanced healthcare and to drive long-term sustainable change in the health sector.

Paul was previously the Deputy Director for the Medicines for Children’s Research Network (East) and has previously held national positions on committees at the Royal College of Paediatrics and Child Health and the Academy of the Medical Royal Colleges. Paul was awarded a PhD in Medicine by the University of Sheffield for his work in paediatric endocrinology, has received awards for his work from the RCPCH and the British Society of Paediatric Endocrinology & Diabetes and is internationally recognised in his field of research.

Professor Roger Eccleston
Pro Vice-Chancellor for Research and Global Engagement
Dean of the Faculty of Arts Computing, Engineering and Science
Sheffield Hallam University

Roger is Pro Vice-Chancellor for Research and Global Engagement, and Dean of the Faculty of Arts Computing, Engineering and Science at Sheffield Hallam University. He was formerly Dean of Science and Technology at Nottingham Trent University and, before that, Director of Technology at the Science and Technology Facilities Council (STFC). The STFC Technology Unit provides engineering and technology development and support to major science projects including the Large Hadron Collider at CERN, large scale neutron and photon research facilities and ground and space-based astronomy projects. Roger was Director of the Materials and Engineering Research Institute (MERI) at Sheffield Hallam University from 2004 to 2007. He is a Professor of Materials Physics.

He has published over 100 papers in subjects ranging from quantum mechanical aspects of model magnetic systems, characterisation of aerospace alloys and techniques for using hyper-polarised gas for imaging applications in medical and materials science. He has undertaken a number of advisory roles in the US and Europe. He was elected a Fellow of the Institute of Physics in 2007.

Paul Firth
National Head of Real Estate
Irwin Mitchell

Paul is a Property Development Lawyer, the Regional Managing Partner of Irwin Mitchell’s Sheffield Office and the National Head of Real Estate at Irwin Mitchell; one of the top twenty legal practices in the country. He has extensive development and commercial experience and has advised many major property companies on a wide range of commercial issues.

He has also advised many major organisations in relation to their property portfolios including Lafarge, Ibstock Brick, Arnold Laver & Company, Sibelco, National Express and the University of Sheffield. Paul is Chairman of Creative Sheffield the Economic Development Agency for the City of Sheffield and he is also the Chairman of the Children’s Hospital Charity. Paul has received a number of awards including the inaugural Insider South Yorkshire Dealmakers Lifetime Achievement Awards; the Institute of Directors (Yorkshire & Humber) Business Advisor of the Year in 2008 and has won the International IVCA Clarion Awards for a conference he conceived and organised with Vice President Al Gore to raise business leaders awareness of the risks and opportunities presented by climate change. He has recently been awarded
Edward Highfield
Director of City Growth
Sheffield City Council

Edward Highfield is Director of City Growth at Sheffield City Council. Edward graduated the University of Liverpool in 2001 after reading Politics. He began his career at the North West Regional Development Agency, moving to Sheffield in 2004 to work for Sheffield City Council. Edward has held a number of positions at Sheffield City Council and was most recently appointed Director of City Growth in 2017. Edward is responsible for; Sheffield’s economic strategy, business growth, inward investment, regeneration, city marketing, external funding, planning, transport and property.

Paul Houghton
Partner
Grant Thornton

Paul heads up Grant Thornton’s Sheffield office, leading a local team of 140 people in the Sheffield City Region as they seek to be a catalyst in shaping a vibrant economy. He is a board member of the SCR Local Enterprise Partnership and chairs the LEP’s Business Growth Board, which is overseeing the development of the business Growth Hub and all other aspects of business support delivered by the SCR.

Paul also takes an active role in business within Sheffield itself, chairing the City Council’s Business Adviser Panel and sitting on the Sheffield City Partnership Board. He is enthusiastic to see the public sector, private sector, third sector and academia collaborating more effectively – which, combined with ambitious leadership, he sees as the key to driving regional growth. Paul is also a director of Yorkshire Artspace, providing studio space and support for 180 artists in Sheffield, and chair of governors at Birkdale School.

Paul is a chartered accountant and a physics graduate from Durham University.

Professor Keith Jackson
CEO, Brandon Medical
Visiting Professor, Materials Science and Engineering, the University of Sheffield

Keith Jackson is Chief Executive Officer of Brandon Medical, a multi-award winning medical technology company based close to Leeds. After graduating from the University of Leeds with a degree in Mechanical Engineering, Keith spent the first five years of his career as a design engineer for British motoring company Jaguar. After a year of voluntary work in Africa, he returned to the UK to study for a MSc in Biomedical Engineering.

Keith has more than twenty years of experience of the orthopaedic medical device market in a wide range of technical & commercial roles, including
marketing, sales, product development, regulatory and production. He is a Chartered Mechanical Engineer, a Chartered Director and a Fellow of both the IMechE and the IoD.

In addition to his role at Brandon Medical, Keith is founder of 8-Q Ltd, providing trusted advice for Boards and Entrepreneur directors driving strategic change in the UK, EU and China. Keith is also a Non-Executive Director of Medilink, working alongside the executive team to deliver business support for members of academic, business and clinical organisations across the region that work in the medical device sector. Keith is a Non-Executive Director of D4D Limited, the not for profit Devices for Dignity Healthcare Technology Co-operative, currently funded by the National Institute for Health Research (NIHR), to bring innovative products into clinical use through collaboration with the NHS, academia and industry.

**Mike Maddock**  
Managing Director  
Performance Engineered Solutions (PES) Ltd  

Mike is MD and co-owner of PES and has experience in multiple business environments. His previous experience includes, COO of a winter sports R&D performance business and prior to that eleven years in blue chip multisite retailing. In his last role Mike was a Regional Operations Director operating 175 businesses with an annual turnover of £153 million and a team of circa 3000 + within his region.

Mike intimately understands performance markets, having competed for GBR in the sport of Skeleton bobsleigh for seven years. He also understands people, pressure environments and detailed operational planning having also been a Clearance Diver and Bomb disposal operative in the Royal Navy for thirteen years.

**Jo Miller**  
Chief Executive  
Doncaster Metropolitan Borough Council  

Jo is Chief Executive of Doncaster Council, and has been in her post since January 2012, having been appointed by both the Council and Secretary of State for Communities and Local Government. Jo studied Law at the University of Southampton and began her career as a lawyer, working predominantly in the public sector, although she spent some time as a partner in private practice.

After starting her career as a trainee solicitor in Nottingham, and progressing to different roles there, Jo moved on to a number of legal posts in Merseyside majoring in housing, regeneration and capital investment schemes. After Heads of Legal Service roles, Jo took a wider brief at Knowsley Council as Executive Director to lead on corporate resources and service transformation. This was followed by a stint as Deputy Chief Executive at Bradford with a strong focus on partnerships and cohesion. Jo has undertaken a number of roles in the voluntary sector and was chair of a large Registered Social Landlord in the North West.

Prior to joining Doncaster, Jo was Deputy Chief Executive at The Local Government Association, responsible for policy, communications and sector led improvement, which included a four month secondment to Doncaster at the Government’s request.
Professor Keith Ridgway CBE
Executive Dean
Advanced Manufacturing Research Centre with Boeing

Keith Ridgway is the Professor of Design and Manufacture and Executive Dean of the AMRC at the University of Sheffield. The AMRC comprises the AMRC with Boeing, the Nuclear AMRC and the AMRC Apprentice Training Centre.

The AMRC with Boeing was established in 2001 to carry out research in manufacturing technologies directly related to the aerospace industry. In addition to Boeing, the AMRC has more than 80 sponsors, including Airbus, BAe Systems, Rolls-Royce, Messier Bugatti Dowty, Goodrich and Spirit Aviation. Application of the research developed has led to a step change in the manufacturing capability of many of the industrial sponsors and encouraged their on-going commitment and support.

The Nuclear AMRC was established in February 2010 and aims to increase the competitiveness of companies in the Nuclear New Build supply chain. Founding partners include EDF, Areva, Westinghouse, Rolls-Royce, Sheffield Forgemasters International and Tata Steel. In 2010 the AMRC was awarded £20m from the Regional Growth Fund and the European Regional Development Fund to build a futuristic reconfigurable factory, “Factory 2050”. This will open in November 2015.

Professor Ridgway is a Fellow of the Royal Academy of Engineering, a Fellow of the Institution of Mechanical Engineers, Royal Institute of Naval Architects and an Honorary Fellow of the Royal Aeronautical Society. He was awarded the OBE for services to UK manufacturing industry in June 2005 and a CBE for services to Manufacturing Research in January 2012.

Dr Dave Smith
Managing Director
Sheffield City Region Executive Team

Dave Smith has been heading the Sheffield City Region team since early 2016. In this pivotal role Dave takes responsibility for the Executive functions of the SCR Combined Authority and Local Enterprise Partnership.

Andrew Storer
Managing Director
Nuclear Advanced Manufacturing Research Centre (Nuclear AMRC)

Andrew joined the Nuclear AMRC as Managing Director in October 2015, and in August 2017 he was promoted to Chief Executive Officer with overall responsibility for leadership and strategy. Andrew previously spent six years as Programme Director for Rolls-Royce’s Civil Nuclear business, leading customer engagement and bids with new build developers. Prior to Civil Nuclear he ran the Submarine Support Business ensuring fleet support and repairs were delivered, and before this he held various submarine reactor component design roles. Andrew joined Rolls-Royce from NEI where he worked on large coal and gas fired power stations as well as components for Sizewell ‘B’. He also leads a number of supply chain development initiatives for the Nuclear Industry Council.
Professor Jesus Talamantes-Silva
Managing Director
Sheffield Forgemasters RD26 Ltd

Jesus worked at the University of Sheffield and was seconded to Corus Swinden Technology Centre (STC) before joining Sheffield Forgemasters International in 2005 as Research and Development Manager. He was promoted to Group Research and Development Director in 2009 and he is currently Managing Director of the Sheffield Forgemasters Research and Development subsidiary: Sheffield Forgemasters RD26 Ltd.

His work involves research and technology development and the use of finite element and related techniques for engineering simulations and process optimization. In particular, those linking the microstructure to the properties of the material. His major research interests include: computer simulation of thermo-mechanical processes, development and manufacturing of large castings and forgings and management and development of chemical and mechanical testing. His current research activities include a variety of sectors such as Nuclear, Defence, offshore oil and gas and steel processing.

He is visiting professor of Materials Science and Engineering at the University of Sheffield and sits on the research board at the Nuclear Advanced Manufacturing Research Centre (Nuclear AMRC).

Professor Wendy Tindale OBE, MSc, PhD, FIPEM, ARCP
Scientific Director, Sheffield Teaching Hospitals NHS Foundation Trust
Honorary Professor at The University of Sheffield
Clinical Director, NIHR Devices for Dignity HTC

Professor Wendy Tindale is Scientific Director of Medical Imaging & Medical Physics at Sheffield Teaching Hospitals NHS Foundation Trust and also Head of Nuclear Medicine for the Trust’s three sites.

As a Consultant Clinical Scientist, she provides scientific leadership for one of the largest NHS centres of medical technology in the UK, overseeing the delivery of a wide spectrum of clinical scientific developments and services. She holds a Chair at the University of Sheffield and has a national role as Clinical Director of the ‘Devices for Dignity’ Healthcare Technology Co-operative – a national research and technology transfer programme. She has an interest in combining clinical academic excellence with business opportunities through commercial translation of innovative medical technologies and has worked with both public and private sectors to facilitate successful collaborations.

Wendy has contributed to numerous national and international committees, including Royal College Working Parties and Government advisory bodies. She is currently Chair of the NIHR/HEE Healthcare Science Fellowship Programme and a member of the NICE Medical Technologies Advisory Committee. In 2011 she was given a Beacon Award for outstanding contribution to healthcare and in 2013 was honoured in the Health Service Journal’s inaugural Inspirational Women awards for outstanding leadership in her field. Wendy was honoured with an OBE for Services to Healthcare in the 2014 New Year’s Honours list.
Richard Wright
Executive Director
Sheffield Chamber of Commerce and Industry

Richard is an experienced, versatile and strategic executive and non-executive director with a proven experience in leadership, team building and commercial and technical development in the advanced manufacturing sector. He is currently executive director at Sheffield Chamber of Commerce and Industry with over 2000 members covering all types of business of every size. Richard led a project to completely review the articles of the Chamber and review the business services offered by the Chamber to make it independent of public sector funding and more pertinent to current business needs. He currently chairs the committee comprising of Presidents and Chief Executives from the UK core city chambers and he is also active in recent Local Enterprise Partnership (LEP) submissions for Sheffield City Region.