Professor Sir Keith Burnett CBE, FRS (Chair)
President & Vice-Chancellor
The University of Sheffield

Professor Sir Keith Burnett is President & Vice-Chancellor of the University of Sheffield. Previously, he was Head of the Division of Mathematical, Physical and Life Sciences at the University of Oxford. He is a member of the Prime-Minister’s Advisory Council of Science and Technology and the Infrastructure Council which advises the Treasury on major investments, and serves on the Board of the UK Atomic Energy Authority.

A Chinese speaker, Sir Keith is also the Chair of the Sheffield Confucius Institute. In 2014 he was given an Award for Outstanding Personal Achievement by the People’s Republic of China for his contribution to the understanding of Chinese language and culture. He is currently working with the UK Government to develop industrial and research links between the UK and China. Professor Burnett received a CBE for contributions to the scientific community in 2004, and was awarded a knighthood in 2013 for services to science and higher education.

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.

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 an Honorary Doctorate by the University of Sheffield to acknowledge services to the University, the City of Sheffield and to the legal profession.

**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 Chris Husbands**  
**Vice-Chancellor**  
**Sheffield Hallam University**

Professor Chris Husbands is a university leader, academic, educationist and public servant. He has served as Vice-Chancellor of Sheffield Hallam University since January 2016.

A Fellow of the Academy of Social Sciences, he has undertaken senior roles in universities for over fifteen years, as Head of the Institute of Education at Warwick University (2000-3), as Dean of Education and Lifelong Learning at the University of East Anglia (2003-7), as Dean of Faculty and then Director of the Institute of Education (2007-15) and as Vice-Provost at University College London (2014-15).

As Director of the Institute of Education, he led the organisation to top position in the QS world rankings in two successive years, to the Queen’s Award for Higher Education and a dominant position in UK education research. His academic expertise lies in education policy and practice; his work has been developed in fifteen books and over four hundred papers.
and presentations. He has advised local and national governments in the UK and internationally, across four continents.

Professor Husbands’ external positions include: Member, ESRC/HEFCE Centre for Global Higher Education (CGHE) Advisory Board (2016-); Member, University Alliance (2016-); Member, Universities UK (UUK); Member, UUK Teacher Education Advisory Group (TEAG); Member, UUK Student Policy Network (SPN) (2016-); Member, International Council of Confucius Institutes, Beijing (2013-). He is also an Honorary Fellow of Emmanuel College, Cambridge and Fellow of the Academy of Social Sciences.

Keith Jackson
Experienced CEO and NED in the healthcare sector
Visiting Professor, Materials Science and Engineering, the University of Sheffield

Keith Jackson is Chief Executive Officer of JRI Orthopaedics Ltd, a British company committed to delivering innovative, high quality orthopaedic solutions for healthcare providers and patients worldwide. 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 was appointed Managing Director of JRI in 2010. 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 JRI Keith is 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.

Bruce Katz
Vice President
Brookings Institute

Bruce J. Katz is a vice president at the Brookings Institution and founding director of the Brookings Metropolitan Policy Program. He is also co-author of The Metropolitan Revolution (Brookings Press, 2013), a distillation of his work on the emerging metropolitan-led “next economy” and its practitioners around the country working to produce more and better jobs driven by innovation, exports and sustainability.

Katz regularly advises federal, state, regional and municipal leaders on
policy reforms that advance the competitiveness of metropolitan areas. He counsels on shifting demographic and market trends as well as on policies critical to metropolitan prosperity (e.g. innovation, human capital, infrastructure, housing) and new forms of metropolitan governance. After the 2008 presidential election, he co-led the housing and urban issues transition team for the Obama administration and served as a senior advisor to new Secretary of Housing and Urban Development Shaun Donovan for the first 100 days of the administration.

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.
Dr Hamid Mughal OBE
Director of Global Manufacturing
Rolls-Royce

Hamid Mughal is an internationally acclaimed manufacturing leader with over 28 years experience in the Automotive and Aerospace Industries. During this period he has worked in a number of senior positions, culminating in his current executive position at Rolls-Royce. He passionately believes in the social and economic value of High Value Manufacturing. He is a Chartered Engineer, winner of the International Manufacturing Gold Medal and a Fellow of Royal Academy of Engineering.

Professor Dave Petley
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.

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 Storer joined the Nuclear AMRC as Managing Director in October 2015, and is responsible for the day-to-day leadership of the centre. 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.

**Mike Tynan**
Chief Executive Officer, Nuclear Advanced Manufacturing Research Centre (Nuclear AMRC)
Visiting Professor, The University of Sheffield

Mike Tynan was appointed CEO for the Nuclear Advanced Manufacturing Research Centre (Nuclear AMRC) in July 2013, having previously spent 5 years as CEO for Westinghouse in the UK. Prior to this Mike was Managing Director at Westinghouse Springfield’s Fuels Limited, the UK’s flagship nuclear fuel manufacturing facility.

Mike began his career in the nuclear industry at Calder Hall power station in West Cumbria in 1975 and has worked at numerous UK and
international facilities, including Sellafield in West Cumbria and Oakridge in Tennessee. Mike has been at the forefront of changes in the UK civil nuclear industry, including the restructuring of British Nuclear Fuels Ltd and the formation of Site License Companies for the Nuclear Decommissioning Authority. He established Westinghouse UK Ltd to integrate Westinghouse/Toshiba business interests in the UK and led the licensing of the Westinghouse AP1000 reactor through the Generic Design Assessment (GDA) in the UK. Through Nuclear AMRC, he leads the development of a UK supply chain for nuclear that competes in the global civil nuclear marketplace. Mike is dedicated to the development of young people in the nuclear industry and is a founder Board member of the National Skills Academy - Nuclear (NSA-N). He is a Board member of Lancashire Local Enterprise Partnership, and is committed to the development of a new era of civil nuclear power.

**Dr Jeffrey Wadsworth**  
President and CEO  
Battelle Memorial Institute  

Jeffrey Wadsworth has been President and CEO of Battelle Memorial Institute since January 2009. He has worked at Stanford University, Lockheed Missiles and Space Company and Lawrence Livermore National Laboratory. In 2002, he joined Battelle and served as a member of the White House Transition Planning Office for the U.S. Department of Homeland Security. He also has served as director of Oak Ridge National Laboratory, the Department of Energy’s largest multipurpose science laboratory.

Wadsworth studied metallurgy at The University of Sheffield, where he earned a bachelor’s degree and a Ph.D. He was also awarded a Doctor of Metallurgy and the highest recognition conferred by the university, an honorary Doctor of Engineering degree. In 2012, Wadsworth, a member of the National Academy of Engineering, was elected to the Chinese Academy of Engineering.

**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.