

## South East

Birkbeck, University of London  
University of Brighton  
Brunel University  
Buckinghamshire New University  
Institute of Cancer Research  
Canterbury Christ Church University  
University of Chichester  
Conservatoire for Dance and Drama  
Courtauld Institute of Art  
University for the Creative Arts  
Institute of Education, University of London  
Goldsmiths' College  
University of Greenwich  
Guildhall School of Music & Drama  
Heythrop College, University of London  
Imperial College London  
University of Kent  
King's College London  
Kingston University  
University of London  
University of the Arts London  
London Business School  
London School of Economics and Political Science  
London School of Hygiene & Tropical Medicine  
London South Bank University  
Middlesex University  
University of Oxford  
Oxford Brookes University  
Ravensbourne  
University of Reading  
Roehampton University  
Rose Bruford College  
Royal Academy of Music  
Royal Central School of Speech and Drama  
Royal College of Art  
Royal College of Music  
Royal Holloway, University of London  
SOAS, University of London  
St George's, University of London  
St Mary's University College  
University of Surrey  
University of Sussex

## South East continued

Trinity Laban Conservatoire of Music and Dance  
UCL  
University of West London  
University of Westminster

## South West

University of Bath  
Bath Spa University  
The Arts University Bournemouth  
Bournemouth University  
University of Bristol  
University of Exeter  
Falmouth University  
University of Gloucestershire  
University of Plymouth  
University of Portsmouth  
Royal Agricultural University  
University of Southampton  
Southampton Solent University  
University of St Mark & St John  
University of the West of England, Bristol  
University of Winchester

## North West

University of Bolton  
University of Central Lancashire  
University of Chester  
University of Cumbria  
Edge Hill University  
Lancaster University  
University of Liverpool  
Liverpool Hope University  
Liverpool Institute for Performing Arts  
Liverpool John Moores University  
Liverpool School of Tropical Medicine  
University of Manchester  
Manchester Metropolitan University  
Royal Northern College of Music  
University of Salford



## Midlands

Aston University  
University of Birmingham  
Birmingham City University  
University College Birmingham  
Coventry University  
De Montfort University  
University of Derby  
Harper Adams University  
Keele University  
University of Leicester  
Loughborough University  
Newman University  
University of Northampton  
University of Nottingham  
Nottingham Trent University  
Staffordshire University  
University of Warwick  
University of Wolverhampton  
University of Worcester

## Eastern England

Anglia Ruskin University  
University of Bedfordshire  
Bishop Grosseteste University  
University of Cambridge  
City University, London  
Cranfield University  
University of East Anglia  
University of East London  
University of Essex  
University of Hertfordshire  
University of Lincoln  
London Metropolitan University  
Norwich University of the Arts  
The Open University  
Queen Mary, University of London  
Royal Veterinary College  
University Campus Suffolk  
Writtle College



## North East & Yorkshire

University of Bradford	University of Newcastle upon Tyne
University of Durham	Northumbria University
University of Huddersfield	University of Sheffield
University of Hull	Sheffield Hallam University
University of Leeds	University of Sunderland
Leeds College of Art	Teesside University
Leeds Metropolitan University	University of York
Leeds Trinity University	York St John University



**Duncan Lawson, Newman University - sigma Director**

Professor Duncan Lawson became Pro-Vice-Chancellor (Formative Education) at Newman University in March 2013. Prior to this he was Professor of STEM Education at Coventry University. He was Director of the Mathematics Support Centre for over 20 years and co-Director of **sigma** with Professor Tony Croft.



**Tony Croft, Loughborough University - sigma Director**

Tony has taught mathematics to students in further and higher education for over thirty years. He is currently one of the Directors of **sigma** and is Professor of Mathematics Education in the Mathematics Education Centre at Loughborough University.



**Trevor Hawkes, Coventry University - sigma Director**

After a long career as an academic mathematician at the University of Warwick, Trevor Hawkes joined the **sigma** CETL in 2008 and now directs the team providing mathematics and statistics support at Coventry University.



**Michael Grove - sigma Associate Director**

Michael Grove is Director of the STEM Education Centre at the University of Birmingham and teaches at university level. He previously directed the HEFCE funded 3-year National HE STEM Program. He was part of the More Maths Grads initiative and was Assistant Director of the HEA MSOR Network.



**Moira Petrie - sigma Assistant Director**

Moira is the Project Manager of the current HEFCE funded **sigma** Network. She has been Senior Lecturer (STEM Student Support) at Coventry University, developing a faculty wide peer assisted learning programme. She has several years' industrial experience in e-learning, IT training and media production.



**Janette Matthews - sigma Project Officer**

Janette is responsible for content and resources for the **sigma**, **mathcentre** and **stats**tutor websites. She was involved in *Communities Project* and the upgrade to **mathcentre** in 2009. Janette also works in the Mathematics Education Centre at Loughborough University, developing a MOOC for mathematics.



**David Bowers - sigma Network Chair**

David has set up and managed a range of mathematics support centres in further and higher education since 1990, most recently as Head of Learning Development at University Campus Suffolk. He co-ordinated the **sigma** Eastern England Hub from 2011 to 2014 and currently works as an independent consultant. David is Chair of the **sigma** Network.



**Abdel Salhi - Eastern England Hub**

Abdel is Professor of Operational Research and is Head of the Department of Mathematical Sciences at the University of Essex. He has championed mathematics and statistics support for students and staff for many years. He established the Maths Support Centre at the University, also open to the whole community. He became the Eastern England Hub co-ordinator in 2014.



**Ruth Fairclough - Midlands Hub**

Currently at the University of Wolverhampton Maths Support Centre, Ruth has 10 years' experience teaching mathematics and statistics to undergraduate and postgraduate mathematicians, engineers and computer scientists. As the new lead of the Midlands Hub, she is looking forward to providing mentoring to new maths support centres and organising regional and national events.



**Chetna Patel - North East & Yorkshire Hub**

Chetna has been Manager of the Maths and Statistics Help Centre at the University of Sheffield since 2008 and involved with **sigma** since the early days. She recently attained a PhD investigating the effectiveness of mathematics support on mathematical performance. Her research explores how students, who view maths as inaccessible, can be reintroduced to it.



**Leslie Fletcher - North West & North Wales Hub**

With 45 years' experience as a mathematics academic, Leslie established Liverpool John Moores University's Maths Resource and Support Centre in 2012. He took over the North West & North Wales Hub in 2013. In 2012 he was a **sigma** Visiting Fellow at Coventry University, preparing the report on **sigma**'s highly-valued contribution to the National HE STEM programme.



**Noel-Ann Bradshaw - South East Hub**

Noel-Ann has been teaching mathematics at the University of Greenwich since 2007. She started the first support group for Greenwich maths students in 2005, which with funding from HESTEM, has become the first Maths Arcade. As a University Teaching Fellow, she is contributing to mathematics teaching and learning at Greenwich and in the wider HE community.



**Emma Cliffe - South West & South Wales Hub**

Emma has supported the teaching of mathematics in HE for 12 years. She is currently the Mathematics and Statistics Resource Centre Development Officer at the University of Bath. She has provided specialist support for disabled students studying mathematical subjects for 9 years and coordinates the AccessMSORWG network.