

Michael Grove

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The Legacy of the National HE STEM Programme

Day 2 – Keynote Speaker III (09.00-10.00)

The National Higher Education Science, Technology, Engineering and Mathematics (HE STEM) Programme was a three-year initiative funded by the Higher Education Funding Councils for England and Wales. It worked across the disciplines of Chemistry, Engineering, Mathematics and Physics, to support higher education institutions in encouraging the exploration of new approaches to recruiting students and delivering programmes of study.

Within the Mathematics Sciences, the Programme built upon the work of the previously HEFCE funded More Maths Grads initiative to transfer and embed the developed practices more widely, particularly in relation to university-led outreach and widening participation, and established new activities through the Maths, Stats & OR Network and the **sigma** Centre for Excellence in University Wide Mathematics and Statistics and Support. Just over a year since the Programme concluded its activities with its final conference, this talk will review the legacy of the Programme and talk about the impact that its work has had upon the practices of higher education institutions.

Michael Grove is inaugural Director of the University of Birmingham's STEM Education Centre and former Director of the National HE STEM Programme. He was also Assistant Director of the former Higher Education Academy Subject Centre for Mathematics Statistics and Operational Research.

A physicist by background, Michael works on issues relating to learning and teaching within higher education and teaches mathematics to undergraduate students from a range of disciplines; he is also responsible for the University's Mathematics Support Centre. His teaching interests include supporting students at the transition to university particularly in relation to non-specialist learning of mathematics, the teaching of mechanics, enhancing modelling and problem solving skills, and supporting the professional development of new academic members of staff and part-time teachers where he also works on the University of Birmingham's Postgraduate Certificate in Academic Practice. He has recently established, with Tina Overton, a national programme of activity to promote and encourage scholarship, evaluation and research in learning and teaching within the STEM disciplines in higher education.